

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

|  |   |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|--|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                   |               |                |              |                            |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                   |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |              |                            |
|--|------------------|----------------|--------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

|   |  |         |             |               |         |
|---|--|---------|-------------|---------------|---------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method:<br><input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |         |             |               |         |
| Estimated Production Per 24 Hours                                   | Oil Bbls.  | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |

|   |  |                                    |
|---|--|------------------------------------|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5) (Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>Top Bottom |
|---|--|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record<br><i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |

|                |       |         |            |  |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: |  |
|----------------|-------|---------|------------|--|



# ATTACHMENT TO ACO-1

## Wilson A #458

2250' FSL & 1560' FWL

Sec 8-25S-5E

Butler Co, KS

API #15-015-24149

| WILSON A #458 (sample) |         |         |       |         |       |         |
|------------------------|---------|---------|-------|---------|-------|---------|
| Estimated Top          | KB 1406 |         |       |         |       |         |
| Zone                   | Depth   | (Datum) | Depth | (Datum) | Depth | (Datum) |
| ADMIRE SAND            | 574     | (+732)  |       |         |       |         |
| BURLINGAME LIME        | 828     | (+578)  |       |         |       |         |
| WHITE CLOUD LIME       | 922     | (+484)  |       |         |       |         |
| WHITE CLOUD SAND       | 932     | (+474)  |       |         |       |         |
| DOUGLASSAND            |         |         |       |         |       |         |
| LANSING                | 1699    | (-293)  |       |         |       |         |
| KANSAS CITY            | 1978    | (-572)  |       |         |       |         |
| B/KANSAS CITY          | 2135    | (-729)  |       |         |       |         |
| CHECKERBOARD           | 2208    | (-802)  |       |         |       |         |
| HEPLER SAND            | NONE    | NA      |       |         |       |         |
| ALTAMONT               | 2256    | (-850)  |       |         |       |         |
|                        | 2336    | (-930)  |       |         |       |         |
| ARDMORE                | 2386    | (-980)  |       |         |       |         |
| ARBUCKLE               | 2396    | (-990)  |       |         |       |         |
| PTD                    | 2901    | (-1495) |       |         |       |         |





## DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 N. Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619

ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

**8-25S-5E Butler, KS**

Start Date: 2021.07.25 @ 16:37:00

End Date: 2021.07.25 @ 22:56:00

Job Ticket #: 66750                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.07.27 @ 09:00:09



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
1700 N. Waterfront Parkw ay  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

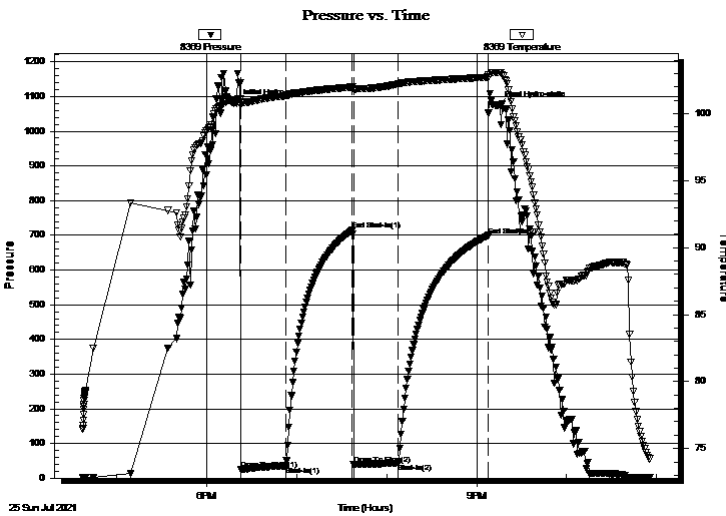
**8-25S-5E Butler, KS**  
**Wilson A #458**  
Job Ticket: 66750 **DST#: 1**  
Test Start: 2021.07.25 @ 16:37:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:22:30  
Time Test Ended: 22:56:00  
Interval: **2325.00 ft (KB) To 2420.00 ft (KB) (TVD)**  
Total Depth: 2420.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 80  
Reference Elevations: 1406.00 ft (KB)  
1397.00 ft (CF)  
KB to GR/CF: 9.00 ft

**Serial #: 8369 Outside**  
Press@RunDepth: 43.52 psig @ 2326.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.07.25 End Date: 2021.07.25 Last Calib.: 2021.07.25  
Start Time: 16:37:01 End Time: 22:56:00 Time On Btm: 2021.07.25 @ 18:19:40  
Time Off Btm: 2021.07.25 @ 21:14:09

TEST COMMENT: IF - Weak blow built to 1 1/3"  
FF - No blow throughout final flow period.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1080.52         | 101.04       | Initial Hydro-static |
| 3           | 24.79           | 100.59       | Open To Flow (1)     |
| 33          | 35.64           | 101.34       | Shut-In(1)           |
| 78          | 714.83          | 102.00       | End Shut-In(1)       |
| 79          | 38.66           | 101.78       | Open To Flow (2)     |
| 109         | 43.52           | 102.21       | Shut-In(2)           |
| 169         | 699.45          | 102.73       | End Shut-In(2)       |
| 175         | 1073.72         | 103.08       | Final Hydro-static   |

## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 40.00       | Tr OCM Tr O & 100%M  | 0.20         |
| 0.00        | TS TrOCM TrO & 100%M | 0.00         |
|             |                      |              |
|             |                      |              |
|             |                      |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
1700 N. Waterfront Parkw ay  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

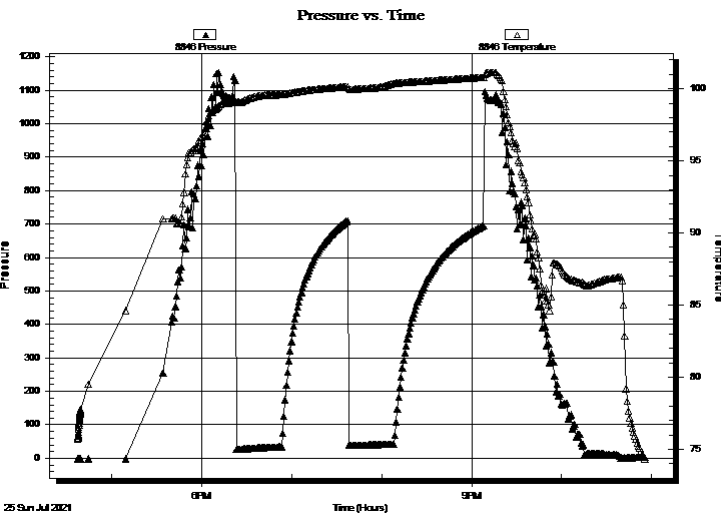
**8-25S-5E Butler, KS**  
**Wilson A #458**  
Job Ticket: 66750 **DST#: 1**  
Test Start: 2021.07.25 @ 16:37:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:22:30  
Time Test Ended: 22:56:00  
Interval: **2325.00 ft (KB) To 2420.00 ft (KB) (TVD)**  
Total Depth: 2420.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 80  
Reference Elevations: 1406.00 ft (KB)  
1397.00 ft (CF)  
KB to GR/CF: 9.00 ft

**Serial #: 8846** Inside  
Press@RunDepth: psig @ 2326.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.07.25 End Date: 2021.07.25 Last Calib.: 1899.12.30  
Start Time: 16:37:01 End Time: 22:56:10 Time On Btm:  
Time Off Btm:

TEST COMMENT: IF - Weak blow built to 1 1/3"  
FF - No blow throughout final flow period.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|             |                 |              |            |

## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 40.00       | Tr OCM Tr O & 100%M  | 0.20         |
| 0.00        | TS TrOCM TrO & 100%M | 0.00         |
|             |                      |              |
|             |                      |              |
|             |                      |              |

## Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
|                |                 |                  |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vess Oil Corporation

**8-25S-5E Butler, KS**

1700 N. Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

Job Ticket: 66750

**DST#: 1**

Test Start: 2021.07.25 @ 16:37:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 2020.00 ft | Diameter: 3.80 inches | Volume: 28.34 bbl              | Tool Weight: 2300.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: inches      | Volume: 0.00 bbl               | Weight set on Packer: 21000.00 lb  |
| Drill Collar:             | Length: 306.00 ft  | Diameter: 2.25 inches | Volume: 1.50 bbl               | Weight to Pull Loose: 68000.00 lb  |
|                           |                    |                       | <u>Total Volume: 29.84 bbl</u> | Tool Chased 1.00 ft                |
| Drill Pipe Above KB:      | 29.00 ft           |                       |                                | String Weight: Initial 62000.00 lb |
| Depth to Top Packer:      | 2325.00 ft         |                       |                                | Final 62000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 95.00 ft           |                       |                                |                                    |
| Tool Length:              | 123.00 ft          |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 2298.00    |                               |
| Shut In Tool     | 5.00        |            |          | 2303.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 2308.00    |                               |
| Jars             | 5.00        |            |          | 2313.00    |                               |
| Safety Joint     | 3.00        |            |          | 2316.00    |                               |
| Packer           | 5.00        |            |          | 2321.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 2325.00    |                               |
| Stubb            | 1.00        |            |          | 2326.00    |                               |
| Recorder         | 0.00        | 8369       | Outside  | 2326.00    |                               |
| Recorder         | 0.00        | 8846       | Inside   | 2326.00    |                               |
| Perforations     | 10.00       |            |          | 2336.00    |                               |
| Change Over Sub  | 1.00        |            |          | 2337.00    |                               |
| Blank Spacing    | 63.00       |            |          | 2400.00    |                               |
| Change Over Sub  | 15.00       |            |          | 2415.00    |                               |
| Bullnose         | 5.00        |            |          | 2420.00    | 95.00 Bottom Packers & Anchor |

**Total Tool Length: 123.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Vess Oil Corporation

**8-25S-5E Butler, KS**

1700 N. Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

Job Ticket: 66750

**DST#: 1**

Test Start: 2021.07.25 @ 16:37:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: in<sup>3</sup>

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbl |
|--------------|----------------------|---------------|
| 40.00        | Tr OCM Tr O & 100%M  | 0.197         |
| 0.00         | TS TrOCM TrO & 100%M | 0.000         |

Total Length: 40.00 ft      Total Volume: 0.197 bbl

Num Fluid Samples: 0

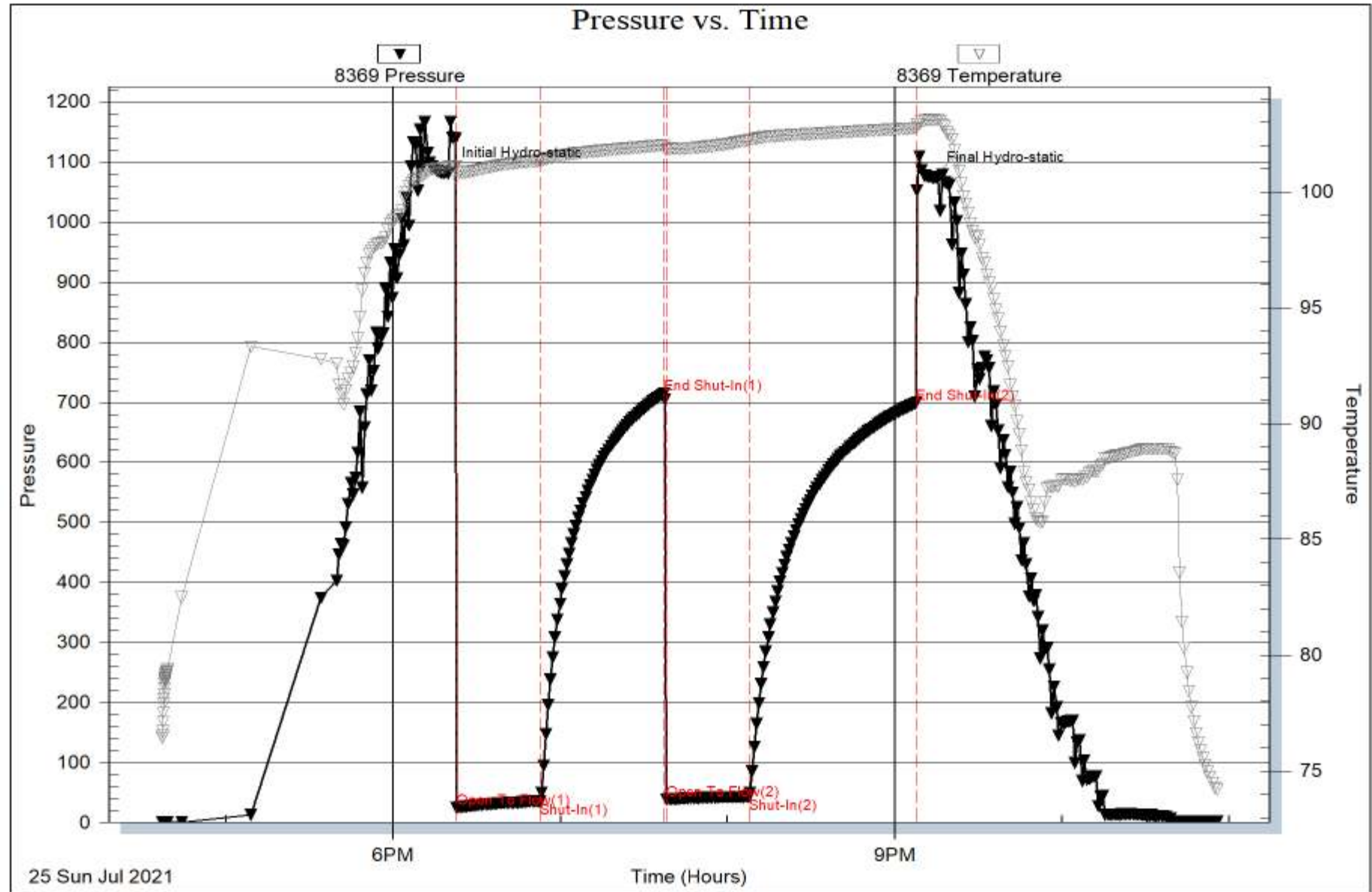
Num Gas Bombs: 0

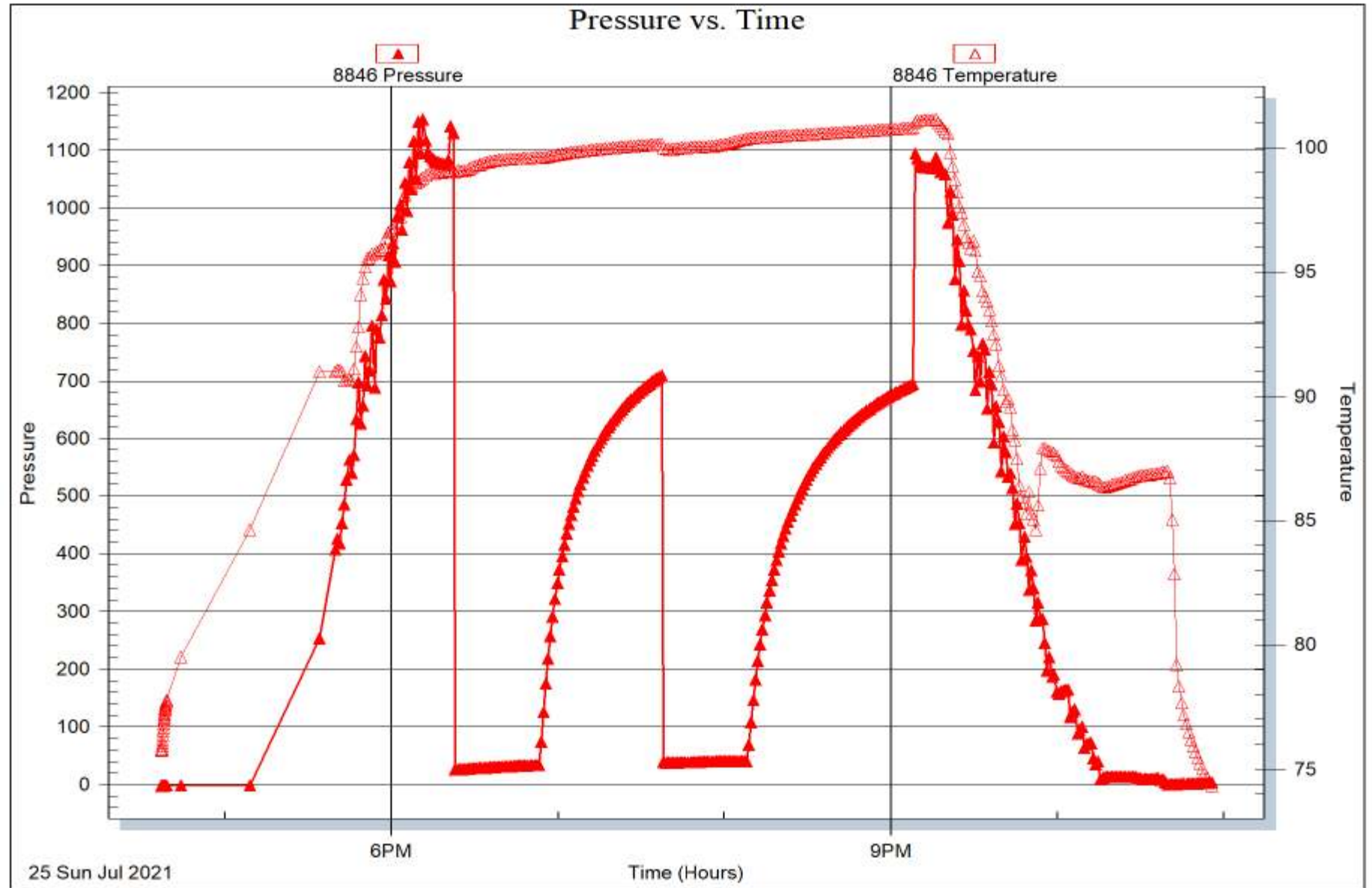
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 N. Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619

ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

**8-25S-5E Butler, KS**

Start Date: 2021.07.26 @ 11:17:00

End Date: 2021.07.26 @ 18:11:00

Job Ticket #: 67126                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.07.27 @ 08:59:00





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
 1700 N. Waterfront Parkway  
 Building 500  
 Wichita, KS 67206-6619  
 ATTN: Dylan Klaus/Roger Ma

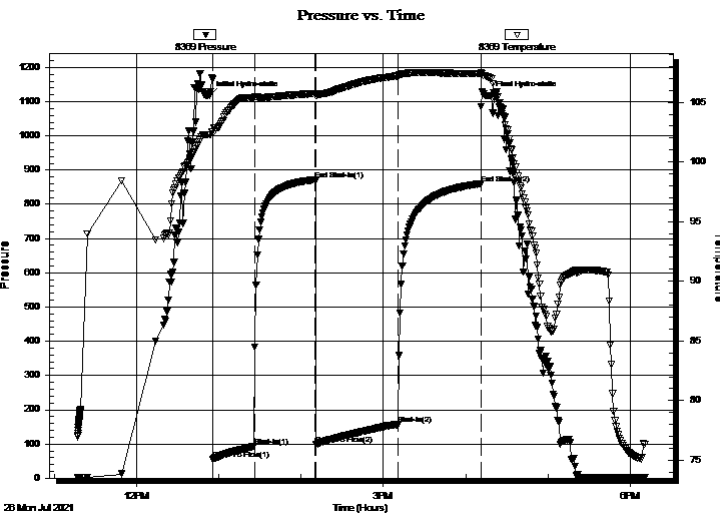
**8-25S-5E Butler, KS**  
**Wilson A #458**  
 Job Ticket: 67126 **DST#: 2**  
 Test Start: 2021.07.26 @ 11:17:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:55:50  
 Time Test Ended: 18:11:00  
 Interval: **2420.00 ft (KB) To 2443.00 ft (KB) (TVD)**  
 Total Depth: 2443.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 80  
 Reference Elevations: 1406.00 ft (KB)  
 1397.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8369 Outside**  
 Press@RunDepth: 156.33 psig @ 2421.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.07.26 End Date: 2021.07.26 Last Calib.: 2021.07.26  
 Start Time: 11:17:01 End Time: 18:11:00 Time On Btm: 2021.07.26 @ 12:53:20  
 Time Off Btm: 2021.07.26 @ 16:17:00

**TEST COMMENT:** IF - Slid 2 feet causing around a 4 inch blow . Weak blow built to 5 1/5"  
 FF - Weak blow built to 3"



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1117.85         | 102.29       | Initial Hydro-static |
| 3           | 54.89           | 102.34       | Open To Flow (1)     |
| 33          | 94.20           | 105.39       | Shut-In(1)           |
| 77          | 871.79          | 105.73       | End Shut-In(1)       |
| 78          | 98.99           | 105.53       | Open To Flow (2)     |
| 138         | 156.33          | 107.21       | Shut-In(2)           |
| 198         | 860.86          | 107.42       | End Shut-In(2)       |
| 204         | 1117.50         | 107.08       | Final Hydro-static   |

## Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 305.00      | TrOWCM Tr O 48%W 52%M    | 1.50         |
| 5.00        | OSHM CW 2%O 51%W 47%M    | 0.06         |
| 0.00        | TS VSO&MCW 5%O 71%W 24%M | 0.00         |
|             |                          |              |
|             |                          |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Vess Oil Corporation

8-25S-5E Butler, KS

1700 N. Waterfront Parkw ay  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

Wilson A #458

Job Ticket: 67126

DST#: 2

Test Start: 2021.07.26 @ 11:17:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:55:50

Time Test Ended: 18:11:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: **2420.00 ft (KB) To 2443.00 ft (KB) (TVD)**

Reference Elevations: 1406.00 ft (KB)

Total Depth: 2443.00 ft (KB) (TVD)

1397.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8846

Inside

Press@RunDepth: psig @ 2421.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.07.26

End Date:

2021.07.26

Last Calib.:

1899.12.30

Start Time: 11:17:01

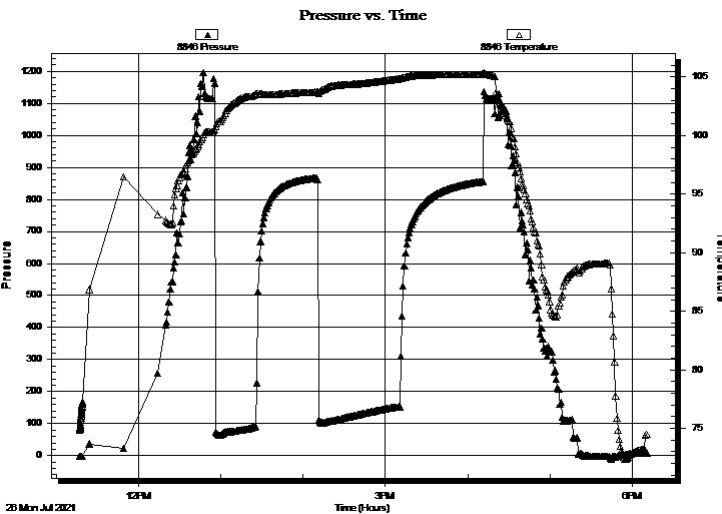
End Time:

18:11:10

Time On Btm:

Time Off Btm:

TEST COMMENT: IF - Slid 2 feet causing around a 4 inch blow . Weak blow built to 5 1/5"  
FF - Weak blow built to 3"



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |

## Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 305.00      | TrOWCM Tr O 48%W 52%M    | 1.50         |
| 5.00        | OSHM CW 2%O 51%W 47%M    | 0.06         |
| 0.00        | TS VSO&MCW 5%O 71%W 24%M | 0.00         |
|             |                          |              |
|             |                          |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|--|----------------|-----------------|------------------|



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vess Oil Corporation

**8-25S-5E Butler, KS**

1700 N. Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

Job Ticket: 67126

**DST#: 2**

Test Start: 2021.07.26 @ 11:17:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 2112.00 ft | Diameter: 3.80 inches | Volume: 29.63 bbl              | Tool Weight: 2300.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: inches      | Volume: 0.00 bbl               | Weight set on Packer: 20000.00 lb  |
| Drill Collar:             | Length: 306.00 ft  | Diameter: 2.25 inches | Volume: 1.50 bbl               | Weight to Pull Loose: 68000.00 lb  |
|                           |                    |                       | <u>Total Volume: 31.13 bbl</u> | Tool Chased 2.00 ft                |
| Drill Pipe Above KB:      | 26.00 ft           |                       |                                | String Weight: Initial 62000.00 lb |
| Depth to Top Packer:      | 2420.00 ft         |                       |                                | Final 63000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 23.00 ft           |                       |                                |                                    |
| Tool Length:              | 51.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 2393.00    |                               |
| Shut In Tool     | 5.00        |            |          | 2398.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 2403.00    |                               |
| Jars             | 5.00        |            |          | 2408.00    |                               |
| Safety Joint     | 3.00        |            |          | 2411.00    |                               |
| Packer           | 5.00        |            |          | 2416.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 2420.00    |                               |
| Stubb            | 1.00        |            |          | 2421.00    |                               |
| Recorder         | 0.00        | 8369       | Outside  | 2421.00    |                               |
| Recorder         | 0.00        | 8846       | Inside   | 2421.00    |                               |
| Perforations     | 17.00       |            |          | 2438.00    |                               |
| Bullnose         | 5.00        |            |          | 2443.00    | 23.00 Bottom Packers & Anchor |

**Total Tool Length: 51.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vess Oil Corporation

**8-25S-5E Butler, KS**

1700 N. Waterfront Parkw ay  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

Job Ticket: 67126

**DST#: 2**

Test Start: 2021.07.26 @ 11:17:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 8.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 14.37 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 25000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

| Length<br>ft | Description              | Volume<br>bbl |
|--------------|--------------------------|---------------|
| 305.00       | TrOWCM Tr O 48%W 52%M    | 1.500         |
| 5.00         | OSHMCW 2%O 51%W 47%M     | 0.061         |
| 0.00         | TS VSO&MCW 5%O 71%W 24%M | 0.000         |

Total Length: 310.00 ft Total Volume: 1.561 bbl

Num Fluid Samples: 0

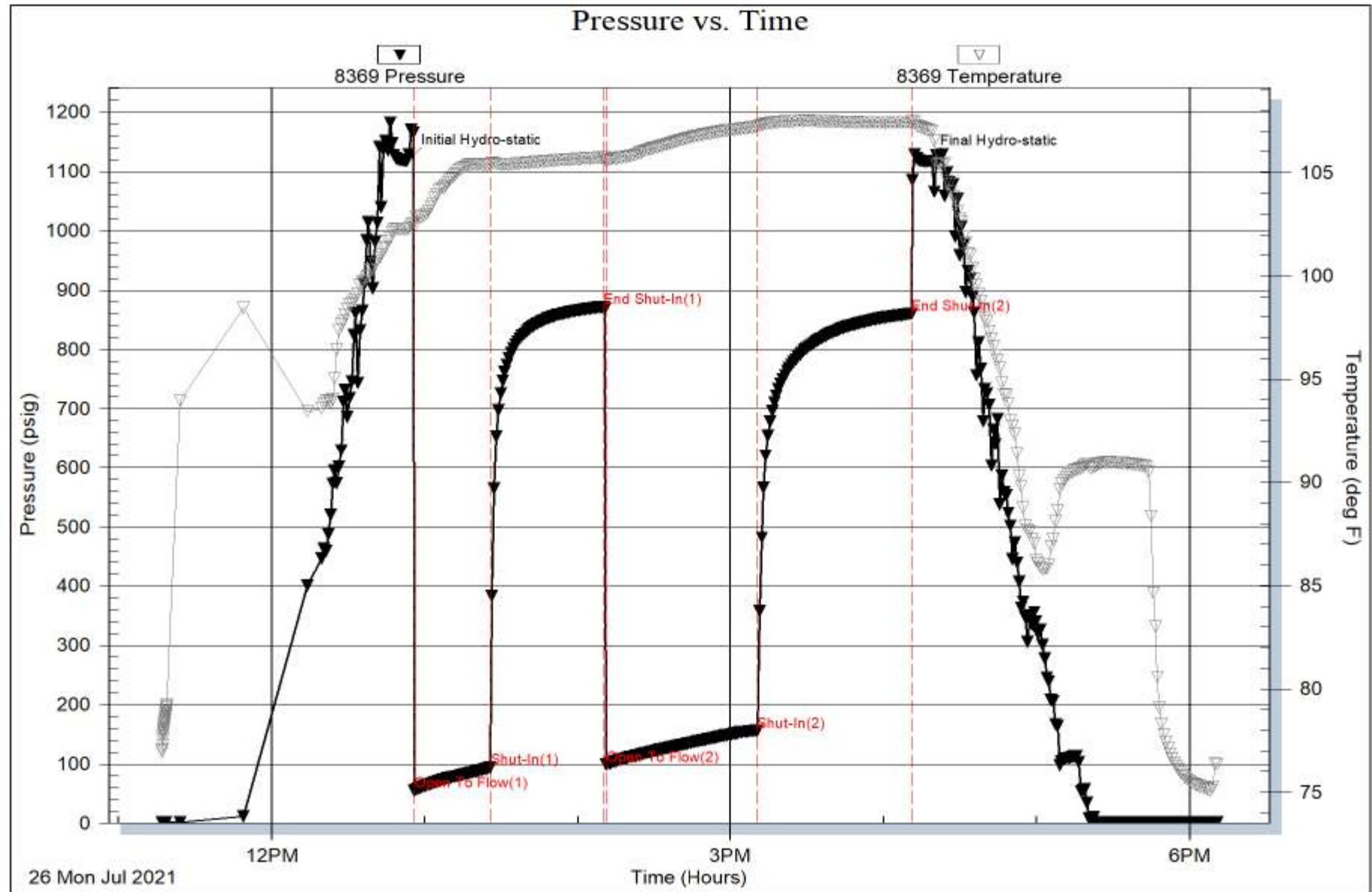
Num Gas Bombs: 0

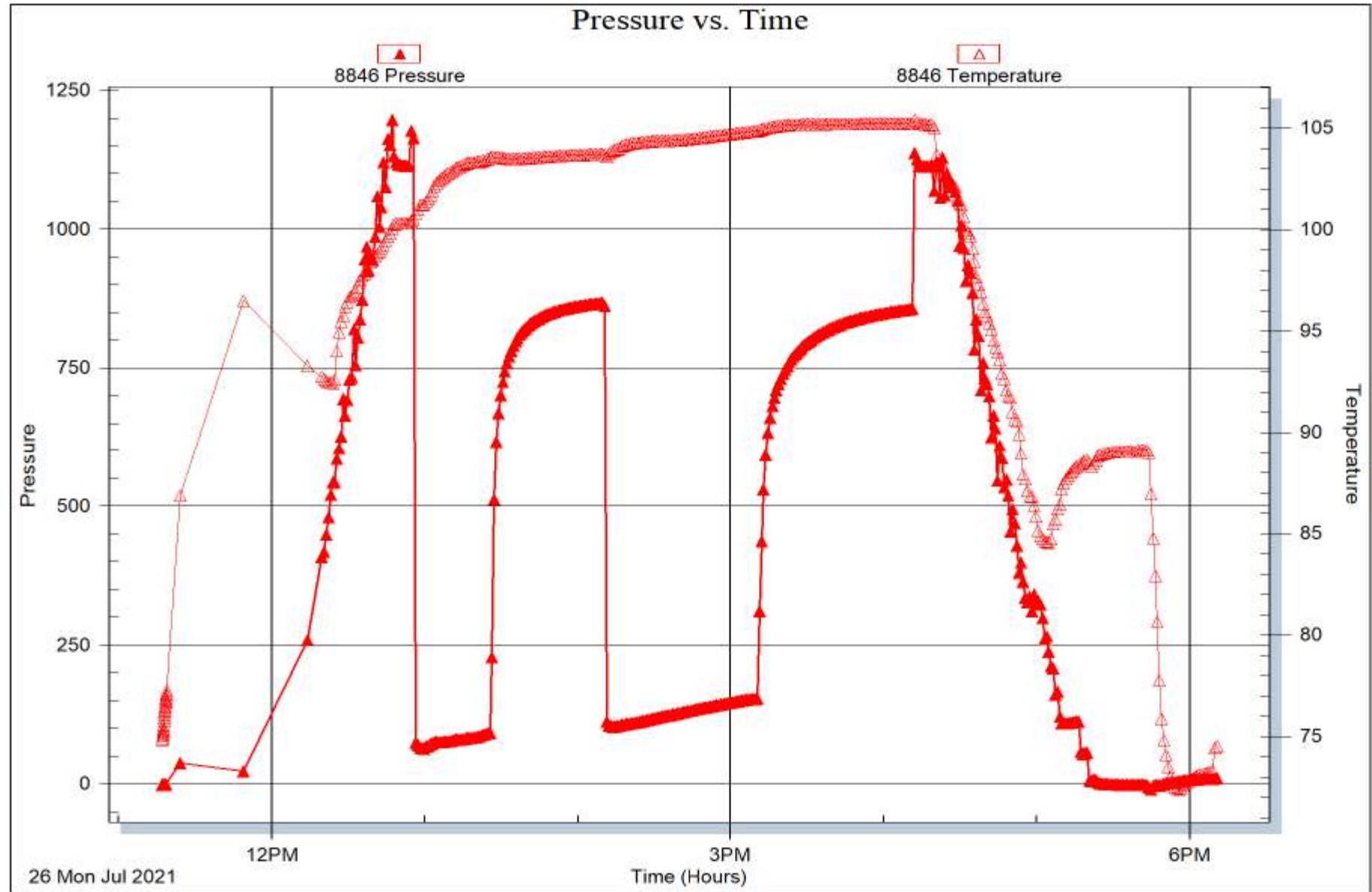
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 N. Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619

ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

**8-25S-5E Butler, KS**

Start Date: 2021.07.26 @ 00:09:00

End Date: 2021.07.26 @ 06:56:20

Job Ticket #: 67127                      DST #: 3

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.07.27 @ 08:58:19



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
 1700 N. Waterfront Parkw ay  
 Building 500  
 Wichita, KS 67206-6619  
 ATTN: Dylan Klaus/Roger Ma

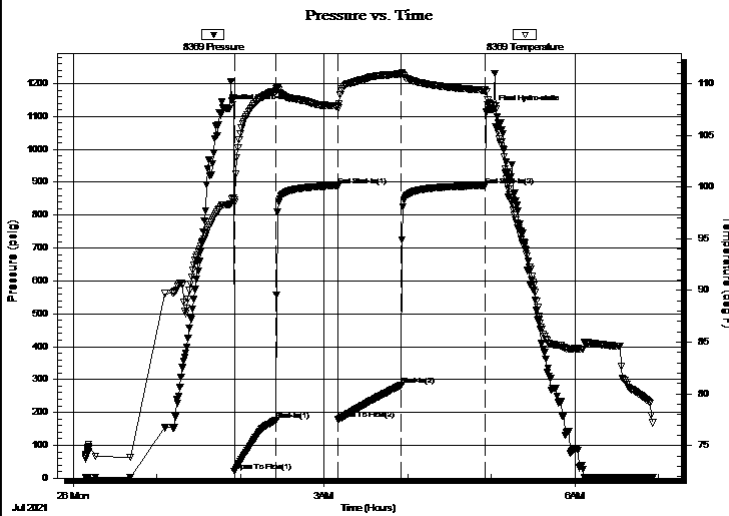
**8-25S-5E Butler, KS**  
**Wilson A #458**  
 Job Ticket: 67127 **DST#: 3**  
 Test Start: 2021.07.26 @ 00:09:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:55:40  
 Time Test Ended: 06:56:20  
 Interval: **2439.00 ft (KB) To 2447.00 ft (KB) (TVD)**  
 Total Depth: 2447.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 80  
 Reference Elevations: 1406.00 ft (KB)  
 1397.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8369 Outside**  
 Press@RunDepth: 282.61 psig @ 2440.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.07.26 End Date: 2021.07.26 Last Calib.: 2021.07.26  
 Start Time: 00:09:01 End Time: 06:56:20 Time On Btm: 2021.07.26 @ 01:51:30  
 Time Off Btm: 2021.07.26 @ 05:00:39

TEST COMMENT: IF - Weak blow building to strong blow in 12 minutes Built to 25"  
 FF - Weak blow building to strong blow in 15 minutes Built to 34"



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1124.13         | 98.31        | Initial Hydro-static |
| 5           | 20.31           | 98.50        | Open To Flow (1)     |
| 35          | 176.89          | 109.28       | Shut-In(1)           |
| 79          | 889.34          | 107.80       | End Shut-In(1)       |
| 79          | 177.97          | 107.61       | Open To Flow (2)     |
| 124         | 282.61          | 110.93       | Shut-In(2)           |
| 185         | 889.43          | 109.34       | End Shut-In(2)       |
| 190         | 1120.20         | 107.89       | Final Hydro-static   |

## Recovery

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 600.00      | Tr OSMCW Tr O 91%W 9%M | 5.63         |
| 0.00        | OSHCW 1%O 59%W 40%M    | 0.00         |
|             |                        |              |
|             |                        |              |
|             |                        |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |





**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Vess Oil Corporation  
 1700 N. Waterfront Parkway  
 Building 500  
 Wichita, KS 67206-6619  
 ATTN: Dylan Klaus/Roger Ma

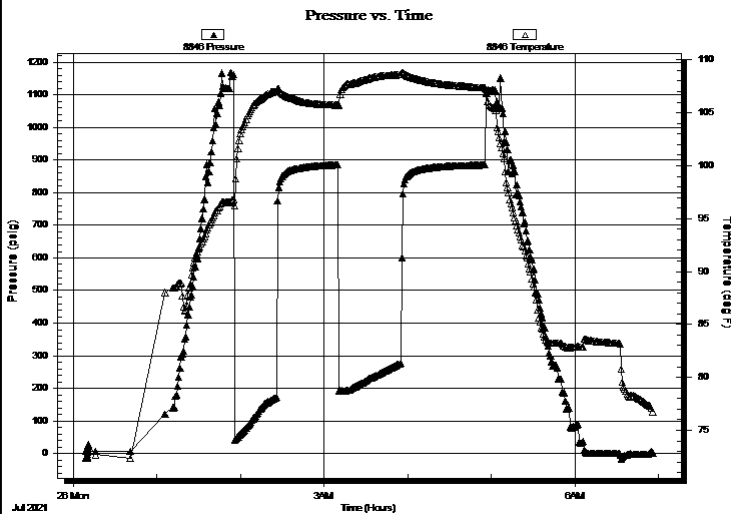
**8-25S-5E Butler, KS**  
**Wilson A #458**  
 Job Ticket: 67127 **DST#: 3**  
 Test Start: 2021.07.26 @ 00:09:00

### GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 01:55:40 Tester: Jimmy Ricketts  
 Time Test Ended: 06:56:20 Unit No: 80  
 Interval: **2439.00 ft (KB) To 2447.00 ft (KB) (TVD)** Reference Elevations: 1406.00 ft (KB)  
 Total Depth: 2447.00 ft (KB) (TVD) 1397.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 8846 Inside**  
 Press@RunDepth: psig @ 2440.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.07.26 End Date: 2021.07.26 Last Calib.: 1899.12.30  
 Start Time: 00:09:01 End Time: 06:56:30 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF - Weak blow building to strong blow in 12 minutes Built to 25"  
 FF - Weak blow building to strong blow in 15 minutes Built to 34"



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |

### Recovery

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 600.00      | Tr OSMCW Tr O 91%W 9%M | 5.63         |
| 0.00        | OSHMCW 1%O 59%W 40%M   | 0.00         |
|             |                        |              |
|             |                        |              |
|             |                        |              |
|             |                        |              |

### Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vess Oil Corporation

**8-25S-5E Butler, KS**

1700 N. Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

Job Ticket: 67127

**DST#: 3**

Test Start: 2021.07.26 @ 00:09:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 2112.00 ft | Diameter: 3.80 inches | Volume: 29.63 bbl              | Tool Weight: 2400.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: inches      | Volume: 0.00 bbl               | Weight set on Packer: 22000.00 lb  |
| Drill Collar:             | Length: 306.00 ft  | Diameter: 2.25 inches | Volume: 1.50 bbl               | Weight to Pull Loose: 65000.00 lb  |
|                           |                    |                       | <u>Total Volume: 31.13 bbl</u> | Tool Chased 1.00 ft                |
| Drill Pipe Above KB:      | 7.00 ft            |                       |                                | String Weight: Initial 62000.00 lb |
| Depth to Top Packer:      | 2439.00 ft         |                       |                                | Final 65000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 8.00 ft            |                       |                                |                                    |
| Tool Length:              | 36.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths               |
|------------------|-------------|------------|----------|------------|------------------------------|
| Change Over Sub  | 1.00        |            |          | 2412.00    |                              |
| Shut In Tool     | 5.00        |            |          | 2417.00    |                              |
| Hydraulic tool   | 5.00        |            |          | 2422.00    |                              |
| Jars             | 5.00        |            |          | 2427.00    |                              |
| Safety Joint     | 3.00        |            |          | 2430.00    |                              |
| Packer           | 5.00        |            |          | 2435.00    | 28.00 Bottom Of Top Packer   |
| Packer           | 4.00        |            |          | 2439.00    |                              |
| Stubb            | 1.00        |            |          | 2440.00    |                              |
| Recorder         | 0.00        | 8369       | Outside  | 2440.00    |                              |
| Recorder         | 0.00        | 8846       | Inside   | 2440.00    |                              |
| Perforations     | 5.00        |            |          | 2445.00    |                              |
| Bullnose         | 2.00        |            |          | 2447.00    | 8.00 Bottom Packers & Anchor |

**Total Tool Length: 36.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Vess Oil Corporation

**8-25S-5E Butler, KS**

1700 N. Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

Job Ticket: 67127

**DST#: 3**

Test Start: 2021.07.26 @ 00:09:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: in<sup>3</sup>

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description            | Volume<br>bbl |
|--------------|------------------------|---------------|
| 600.00       | Tr OSMCW Tr O 91%W 9%M | 5.629         |
| 0.00         | OSHMCW 1%O 59%W 40%M   | 0.000         |

Total Length: 600.00 ft      Total Volume: 5.629 bbl

Num Fluid Samples: 0

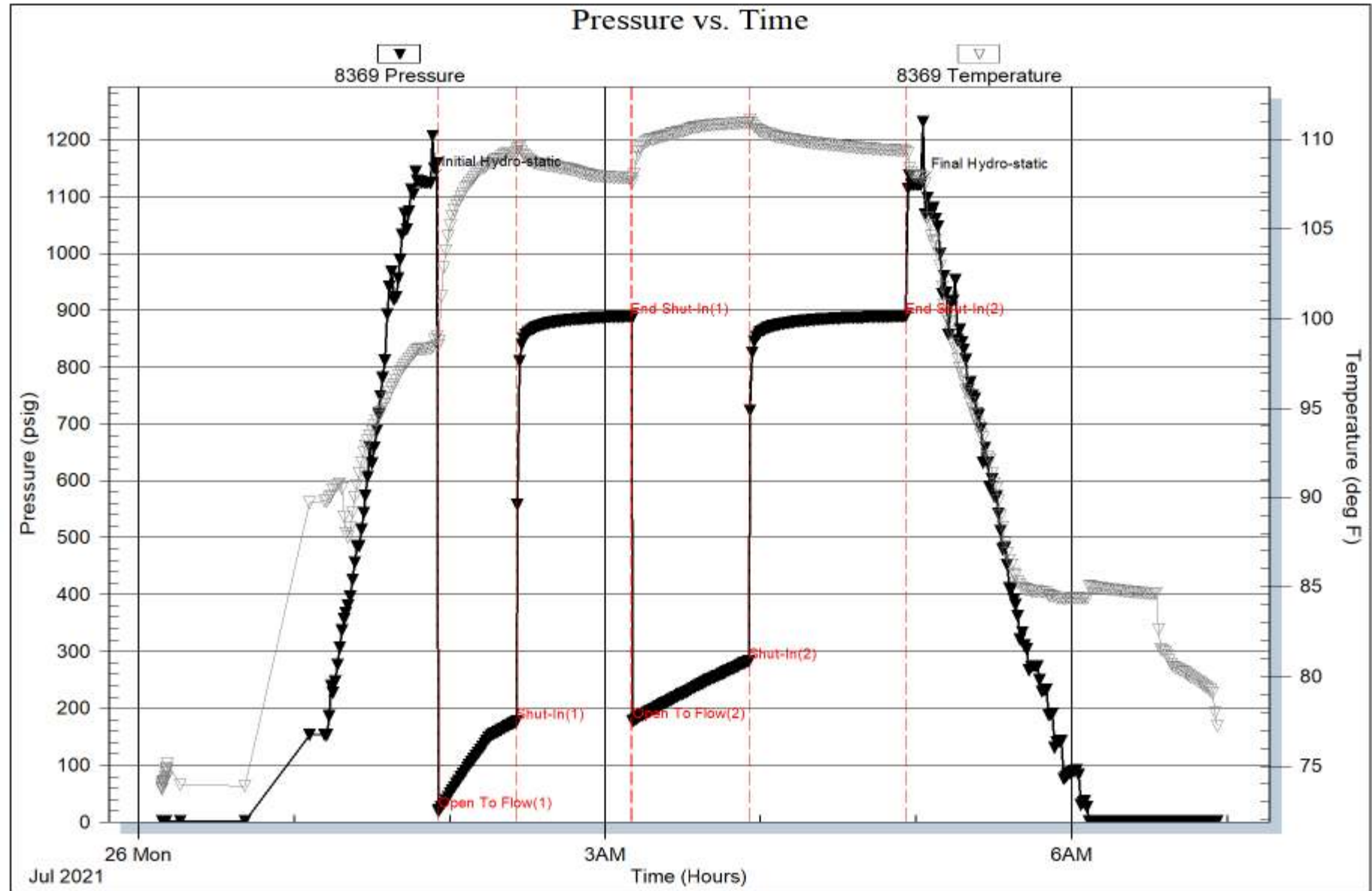
Num Gas Bombs: 0

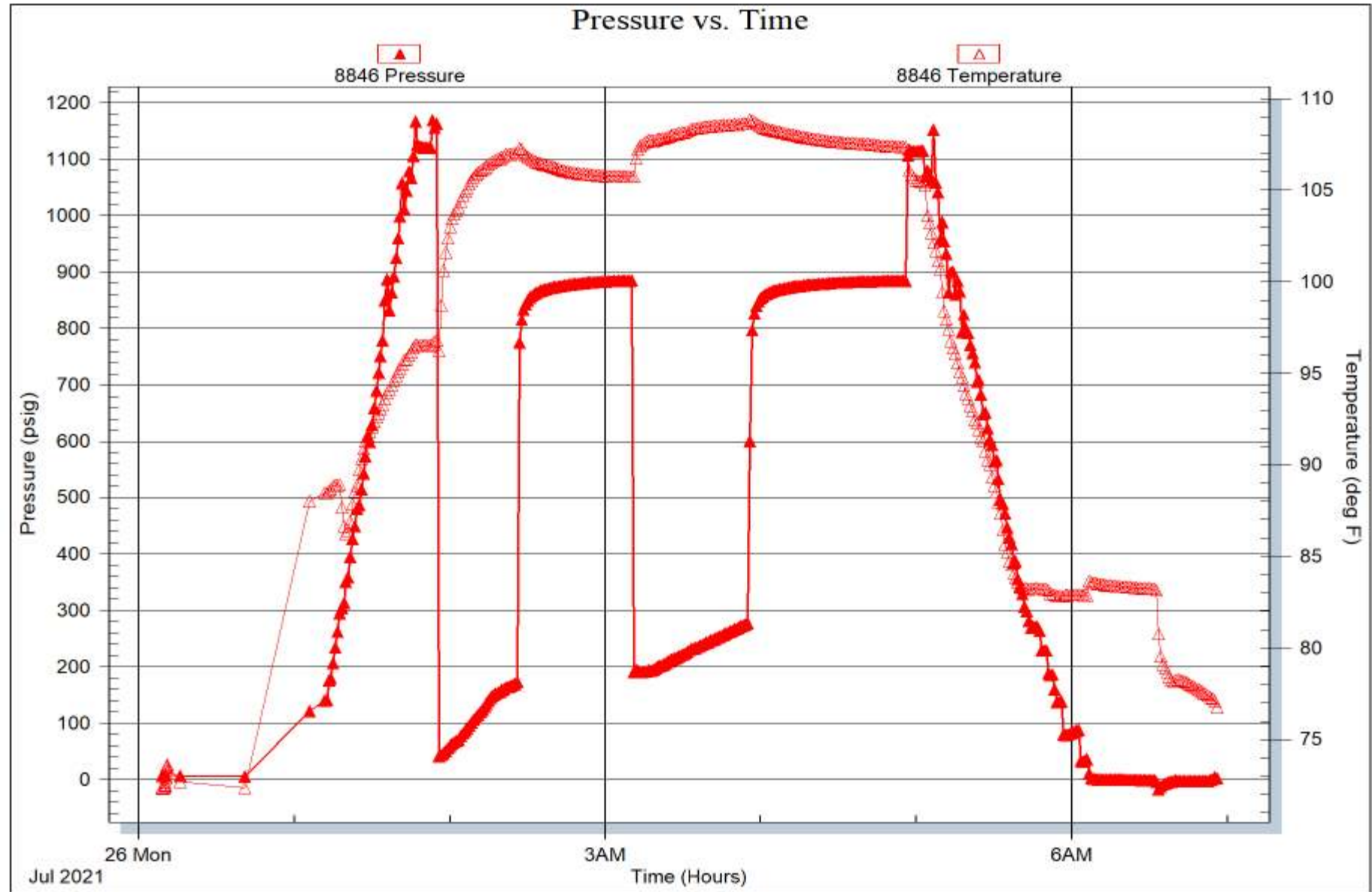
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket 66750

NO.

Well Name & No. Wilson A #458 Test No. 1 Date 7-25-21  
 Company Vess Oil Corporation Elevation 1406 KB 1397 GL  
 Address 1700 N. Waterfront Parkway Bldg 500 Wichita, KS, 67206-449  
 Co. Rep / Geo. Dylan Klaus / Roger Martin Rig C+G Drilling #2  
 Location: Sec. 8 Twp 25 S Rge. 5 E Co. Butler State KS

Interval Tested 2325-2420 Zone Tested Arbuckle  
 Anchor Length 95' Drill Pipe Run 2080 Mud Wt. 9.2  
 Top Packer Depth 2320 Drill Collars Run 306 Vis 50  
 Bottom Packer Depth 2325 Wt. Pipe Run 0 WL \_\_\_\_\_  
 Total Depth 2420 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_  
 Blow Description IF - Weak blow building to 1 1/3 inches of water  
FF - No blow throughout FRP

| Rec       | Feet of                  | %gas | Tr | %oil | %water     | %mud |
|-----------|--------------------------|------|----|------|------------|------|
| <u>40</u> | <u>Trace oil cut mud</u> |      |    |      | <u>100</u> |      |
| <u>FS</u> | <u>Trace oil cut mud</u> |      |    |      | <u>100</u> |      |
| ____      | ____                     |      |    |      |            |      |
| ____      | ____                     |      |    |      |            |      |
| ____      | ____                     |      |    |      |            |      |

Rec Total 40 BHT 103 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

|                                     |  |  |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1081</u> | <input checked="" type="checkbox"/> Test <u>1200</u>                   | T-On Location <u>0700</u>                          |
| (B) First Initial Flow <u>25</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>                    | T-Started <u>1637</u>                              |
| (C) First Final Flow <u>36</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u>             | T-Open <u>1823</u>                                 |
| (D) Initial Shut-In <u>715</u>      | <input type="checkbox"/> Circ Sub _____                                | T-Pulled <u>2108</u>                               |
| (E) Second Initial Flow <u>39</u>   | <input type="checkbox"/> Hourly Standby _____                          | T-Out <u>2300</u>                                  |
| (F) Second Final Flow <u>44</u>     | <input checked="" type="checkbox"/> Mileage <u>230rt 287.50 RT 120</u> | Comments _____                                     |
| (G) Final Shut-In <u>699</u>        | <input type="checkbox"/> Sampler _____                                 | _____  |
| (H) Final Hydrostatic <u>1074</u>   | <input type="checkbox"/> Straddle _____                                | <input type="checkbox"/> EM Tool _____             |
| Initial Open <u>30</u>              | <input checked="" type="checkbox"/> Shale Packer <u>250</u>            | <input type="checkbox"/> Ruined Shale Packer _____ |
| Initial Shut-In <u>45</u>           | <input type="checkbox"/> Extra Packer _____                            | <input type="checkbox"/> Ruined Packer _____       |
| Final Flow <u>30</u>                | <input type="checkbox"/> Extra Recorder _____                          | <input type="checkbox"/> Extra Copies _____        |
| Final Shut-In <u>60</u>             | <input type="checkbox"/> Day Standby _____                             | Sub Total <u>0</u>                                 |
|                                     | <input type="checkbox"/> Accessibility _____                           | Total <u>2062.50</u>                               |
|                                     | Sub Total <u>2062.50</u>   | MP/DST Disc't _____                                |

Approved By Roger Martin Our Representative Jimmy Dicketh  
 TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67126

Well Name & No. Wilson A #458 Test No. 2 Date 7-26-21  
 Company Vess Oil Corporation Elevation 1406 KB 1397 GL  
 Address 1700 N. Waterfront ~~Highway~~ Prky Bldg 500 Wichita, KS 67206  
 Co. Rep / Geo. Dylan Klaus / Roger Martin Rig C + G Drilling #2  
 Location: Sec. 8 Twp 25 S Rge. 5 E Co. Butler State KS

Interval Tested 2420 - 2443 Zone Tested Arbuckle  
 Anchor Length 23' Drill Pipe Run 2112 Mud Wt. 8.5  
 Top Packer Depth 2415 Drill Collars Run 306 Vis 50  
 Bottom Packer Depth 2420 Wt. Pipe Run 0 WL 14.4  
 Total Depth 2443 Chlorides 25000 ppm System LCM  
 Blow Description IF - weak blow building to 5 1/2 inches of water  
FF - weak blow building to 3 inches of water

| Rec        | Feet of        | %gas | %oil      | %water    | %mud      |
|------------|----------------|------|-----------|-----------|-----------|
| <u>5</u>   | <u>OSHMCW</u>  |      | <u>2</u>  | <u>51</u> | <u>47</u> |
| <u>305</u> | <u>TROHWCN</u> |      | <u>Tr</u> | <u>48</u> | <u>52</u> |
| <u>TS</u>  | <u>VSOIMCW</u> |      | <u>5</u>  | <u>71</u> | <u>24</u> |
|            |                |      |           |           |           |
|            |                |      |           |           |           |

Rec Total 310 BHT 107 Gravity \_\_\_\_\_ API RW 0.262 @ 74 °F Chlorides 25000 ppm

|                                     |  |  |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1118</u> | <input checked="" type="checkbox"/> Test <u>1200</u>               | T-On Location <u>1015</u>                          |
| (B) First Initial Flow <u>55</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>                | T-Started <u>1117</u>                              |
| (C) First Final Flow <u>94</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u>         | T-Open <u>1256</u>                                 |
| (D) Initial Shut-In <u>872</u>      | <input type="checkbox"/> Circ Sub _____                            | T-Pulled <u>1611</u>                               |
| (E) Second Initial Flow <u>99</u>   | <input type="checkbox"/> Hourly Standby _____                      | T-Out <u>1800</u>                                  |
| (F) Second Final Flow <u>156</u>    | <input checked="" type="checkbox"/> Mileage <u>35</u> <u>RT 28</u> | Comments _____                                     |
| (G) Final Shut-In <u>861</u>        | <input type="checkbox"/> Sampler _____                             | _____  |
| (H) Final Hydrostatic <u>1118</u>   | <input type="checkbox"/> Straddle _____                            | <input type="checkbox"/> EM Tool _____             |
| Initial Open <u>30</u>              | <input type="checkbox"/> Shale Packer _____                        | <input type="checkbox"/> Ruined Shale Packer _____ |
| Initial Shut-In <u>45</u>           | <input type="checkbox"/> Extra Packer _____                        | <input type="checkbox"/> Ruined Packer _____       |
| Final Flow <u>60</u>                | <input type="checkbox"/> Extra Recorder _____                      | <input type="checkbox"/> Extra Copies _____        |
| Final Shut-In <u>60</u>             | <input type="checkbox"/> Day Standby _____                         | Sub Total <u>0</u>                                 |
|                                     | <input type="checkbox"/> Accessibility _____                       | Total <u>1560</u>                                  |

Approved By Roger Martin Our Representative Jimmy Dickel

TriLOBite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67127

Well Name & No. Wilson A # 458 Test No. 3 Date 7-27-21  
 Company Vess Oil Corporation Elevation 1406 KB 1397 GL  
 Address 1700 N. Waterfront Prky, Bldg 500 Wichita, KS 67206  
 Co. Rep / Geo. Dylan Klaus / Roger Martin Rig C & G Drilling #2  
 Location: Sec. 8 Twp 25 S Rgo. SE Co. Butler State KS

Interval Tested 2439-2447 Zone Tested Arbuckle  
 Anchor Length 8' Drill Pipe Run 2112 Mud Wt. 9.1  
 Top Packer Depth 2434 Drill Collars Run 306 Vis 43  
 Bottom Packer Depth 2439 Wt. Pipe Run 0 WL \_\_\_\_\_  
 Total Depth 2447 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_

Blow Description IF - weak blow building to strong blow 12 mins into IFF. Continuing to build to 25 inches of water  
FF - weak blow building to strong blow 15 mins. into FFP. Continuing to build to 34 inches of water.

| Rec        | Feet of               | %gas | Tr       | %oil      | %water    | %mud |
|------------|-----------------------|------|----------|-----------|-----------|------|
| <u>600</u> | <u>SMCW Trace Oil</u> |      |          | <u>91</u> | <u>9</u>  |      |
| <u>TS</u>  | <u>OSHCW</u>          |      | <u>1</u> | <u>59</u> | <u>40</u> |      |
| ____       | ____                  | %gas |          | %oil      | %water    | %mud |
| ____       | ____                  | %gas |          | %oil      | %water    | %mud |
| ____       | ____                  | %gas |          | %oil      | %water    | %mud |

Rec Total 600 BHT 108 Gravity \_\_\_\_\_ API RW 0.317 @ 67.5 °F Chlorides 22500 ppm  
 (A) Initial Hydrostatic 1124  Test 1200 T-On Location 2315  
 (B) First Initial Flow 20  Jars 250 T-Started 0009  
 (C) First Final Flow 177  Safety Joint 75 T-Open 0156  
 (D) Initial Shut-In 889  Circ Sub \_\_\_\_\_ T-Pulled 0456  
 (E) Second Initial Flow 178  Hourly Standby \_\_\_\_\_ T-Out 0640  
 (F) Second Final Flow 283  Mileage 35 RT 28 Comments \_\_\_\_\_  
 (G) Final Shut-In 889  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1120  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer 250  EM Tool \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Shut-In 66  Day Standby \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Sub Total 1810  Accessibility \_\_\_\_\_ Sub Total 0  
 Total 1810 MP/DST Disc't \_\_\_\_\_

Approved By Roger Martin Our Representative Jimmy Dickert

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



Company VESS OIL CORPORATION  
Well WILSON A 458  
Field EL DORADO  
Country U.S.A.  
State/Prv KANSAS

Company VESS OIL CORPORATION

Well WILSON "A" # 458

Field EL DORADO

Country U.S.A.

State/Prv KANSAS

Location

SW-NW-NE-SW

SEC. 8 TWP. 25s RGE. 5 E

BUTLER COUNTY

Other Services

Elevation

K.B. 1406

Permanent Datum GROUND LEVEL Elevation 1397

Log Measured From KELLY BUSHING 9' A.G.L.

Drilling Measured From KELLY BUSHING

G.L. 1397

|                        |            |
|------------------------|------------|
| Date                   | 09-23-21   |
| Run Number             | ONE        |
| Depth Driller          | 2591       |
| Depth Logger           | 2508       |
| Bottom Logged Interval | 2506       |
| Top Log Interval       | 0          |
| Open Hole Size         |            |
| Type Fluid             | WATER-FULL |
| Density / Viscosity    |            |
| Max. Well Deviation    |            |
| Estimated Cement Top   | 34         |
| Time Well Ready        |            |
| Time Logger on Bottom  |            |
| Equipment Number       | 103        |
| Location               | EL DORADO  |
| Recorded By            | SULLIVAN   |
| Witnessed By           | S. SUMMERS |

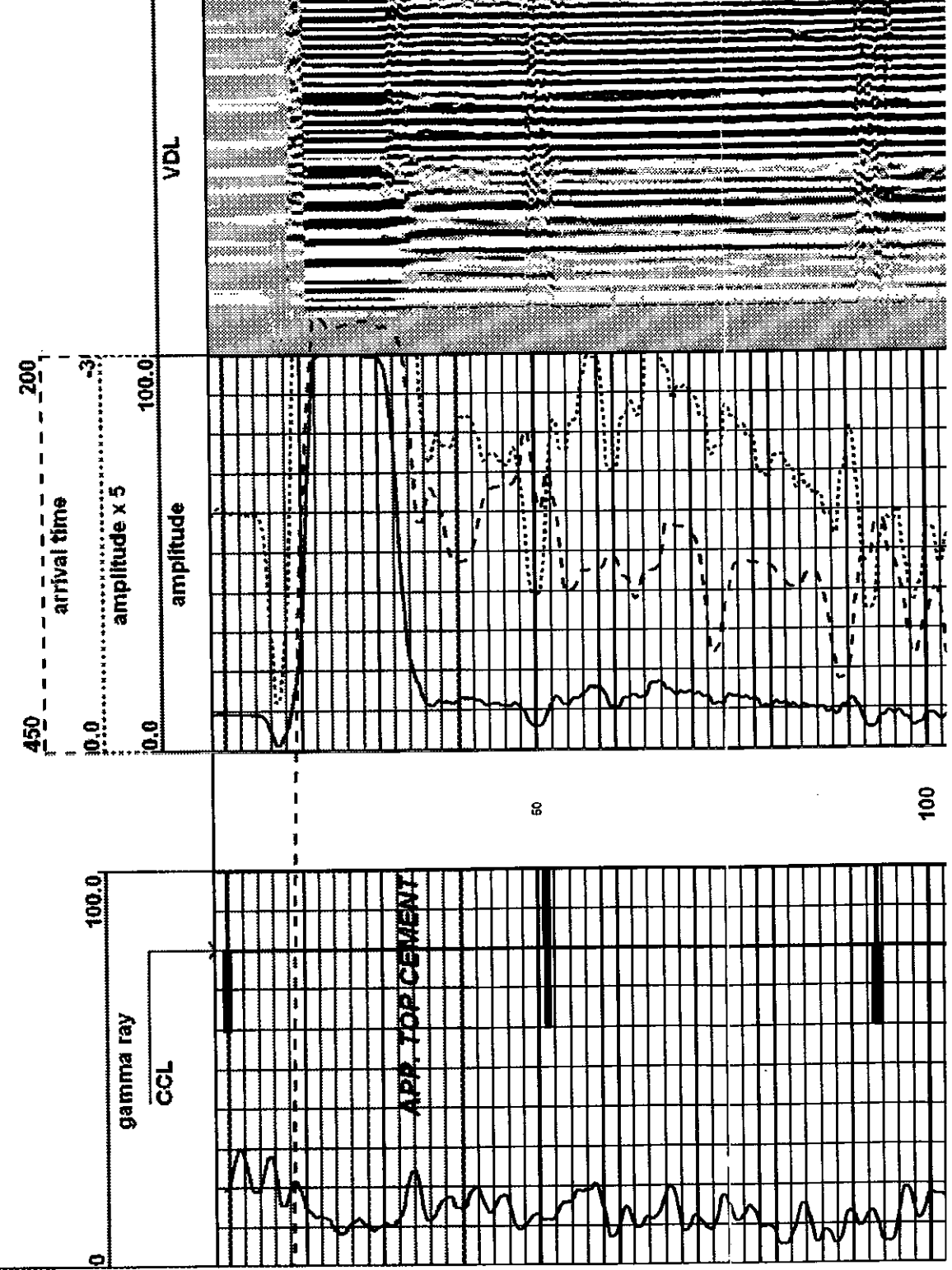
| Borehole Record |     |      |    | Tubing Record |        |      |    |
|-----------------|-----|------|----|---------------|--------|------|----|
| Run Number      | Bit | From | To | Size          | Weight | From | To |
|                 |     |      |    |               |        |      |    |
|                 |     |      |    |               |        |      |    |

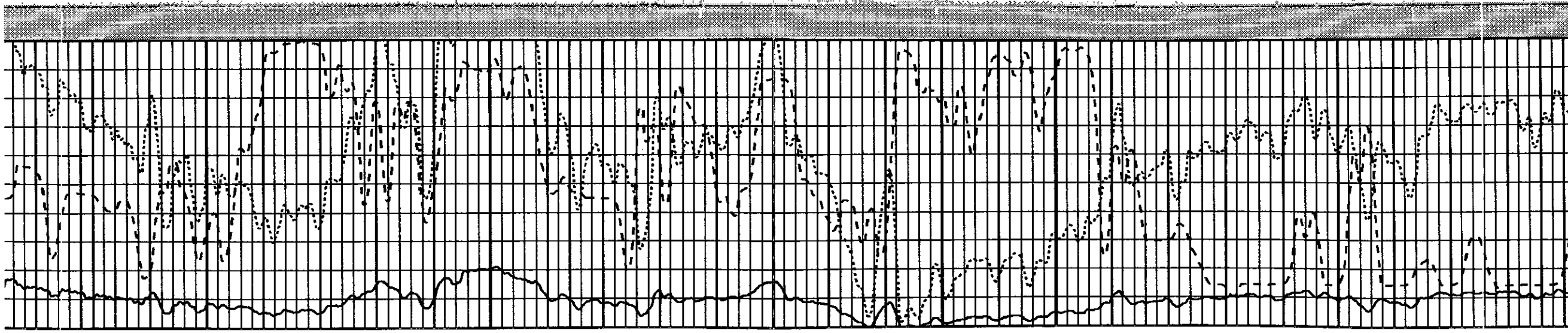
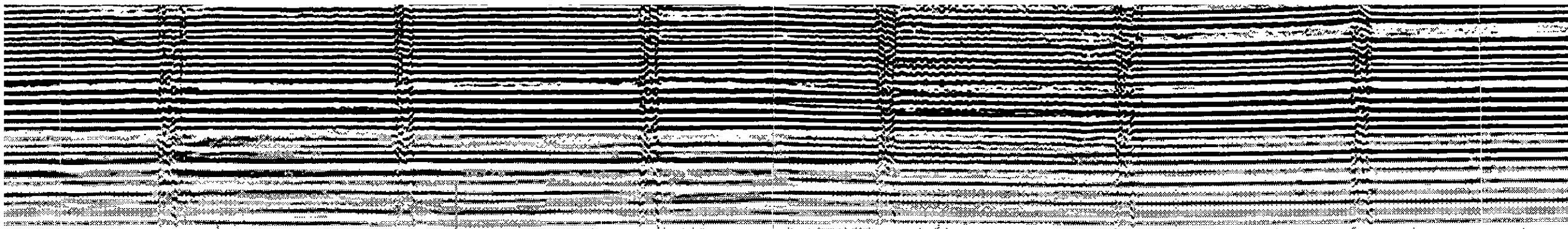
| Casing Record     | SIZE  | WEIGHT | FROM | TO |
|-------------------|-------|--------|------|----|
| Surface String    |       |        |      |    |
| Prot. String      |       |        |      |    |
| Production String | 5 1/2 | 15 1/2 | 0    |    |
| Liner             |       |        |      |    |

START: 2494.75  
STOP: -7.25  
RES: 0.25  
SCALE: 9"/101

### Run #1

RUN: Run #1  
DIR: UP  
DATE: 09/23/21  
TIME: 09:17:55





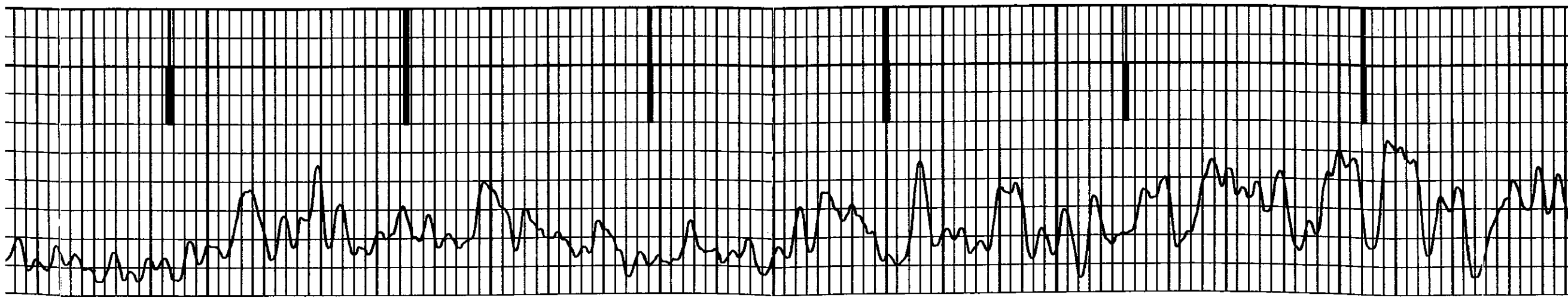
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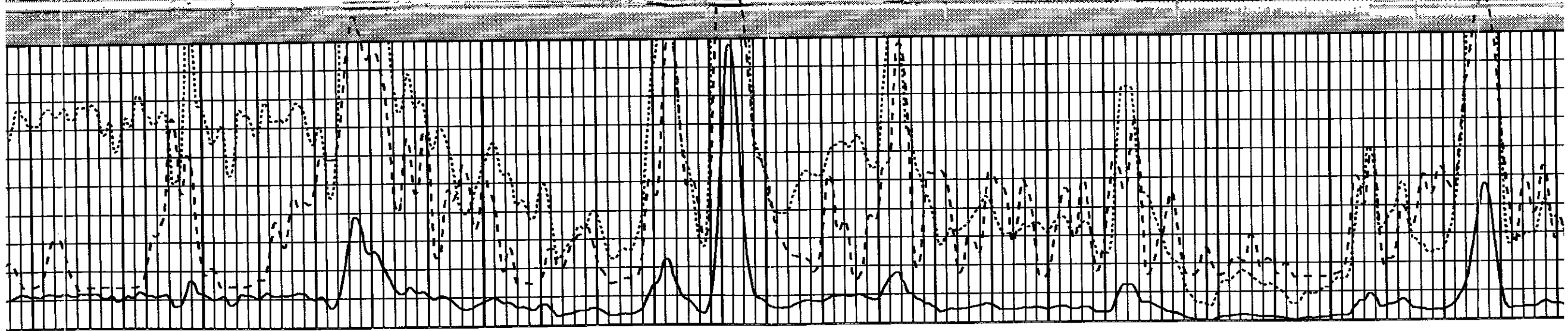
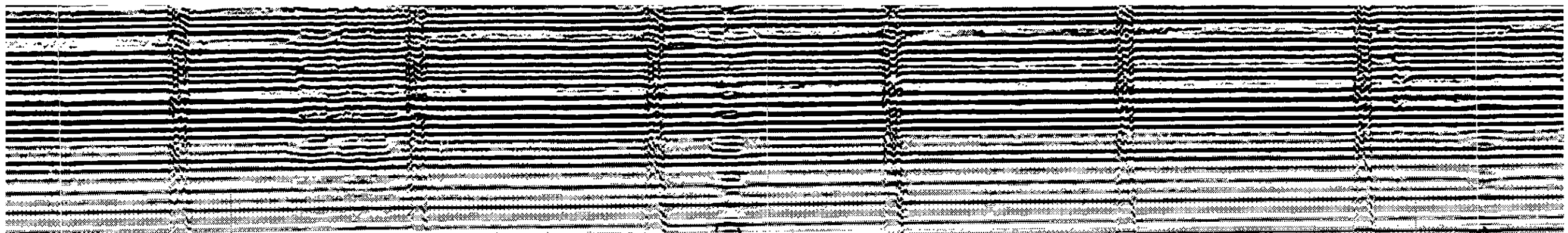
150

200

250

300





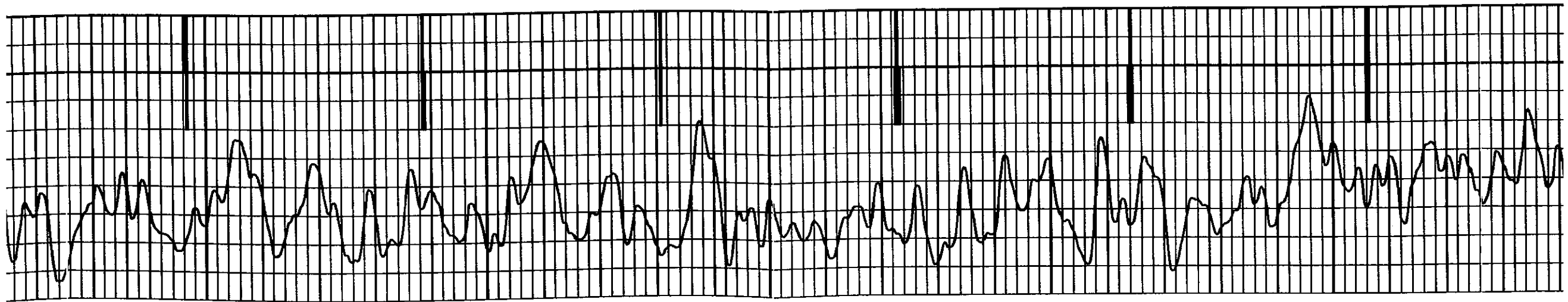
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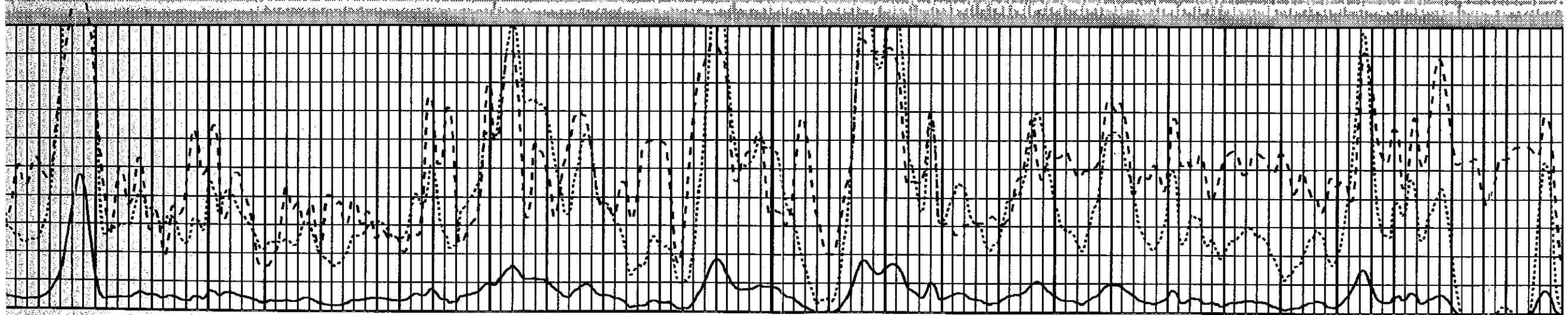
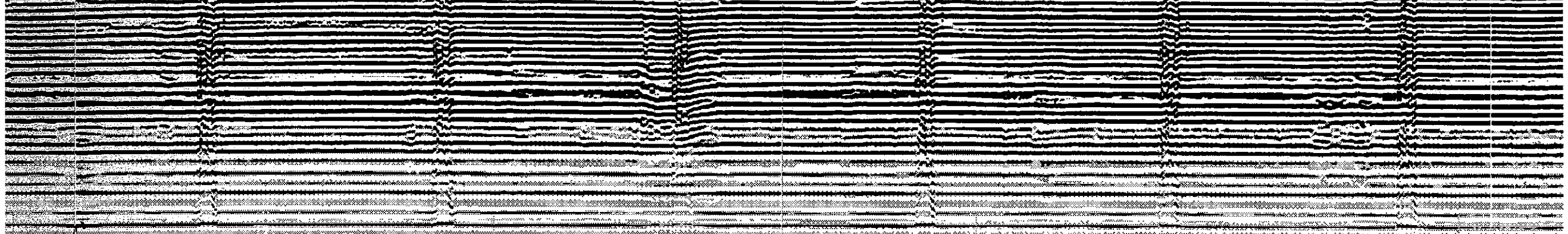
400

450

500

550





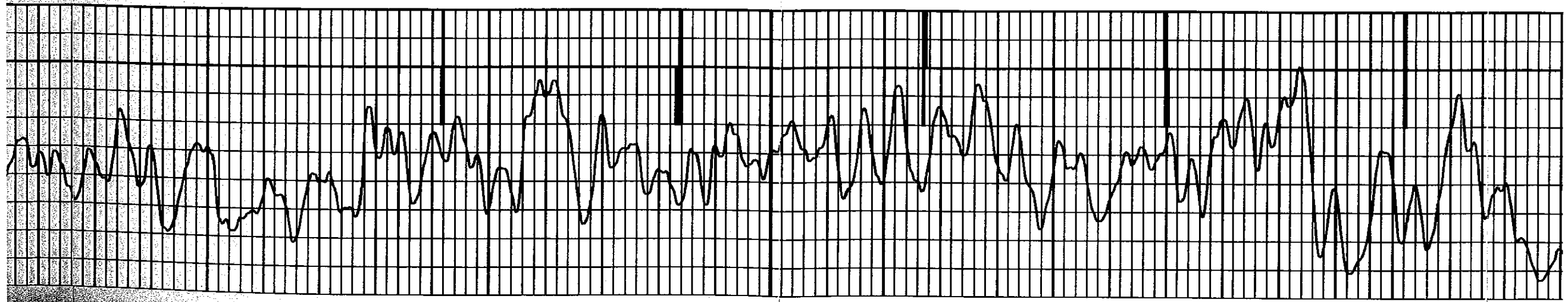
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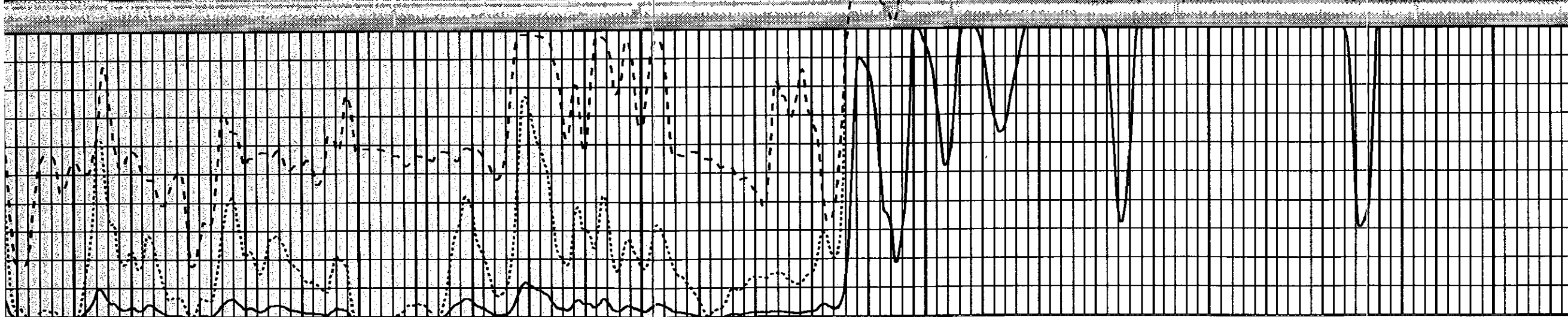
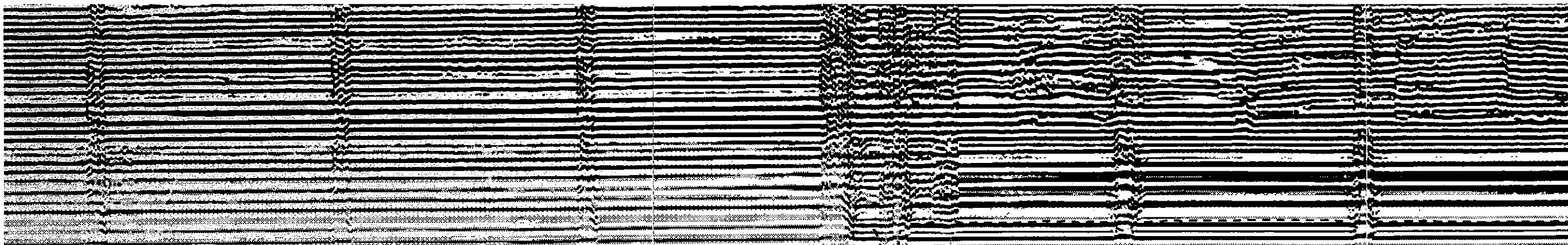
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700

760

800





860

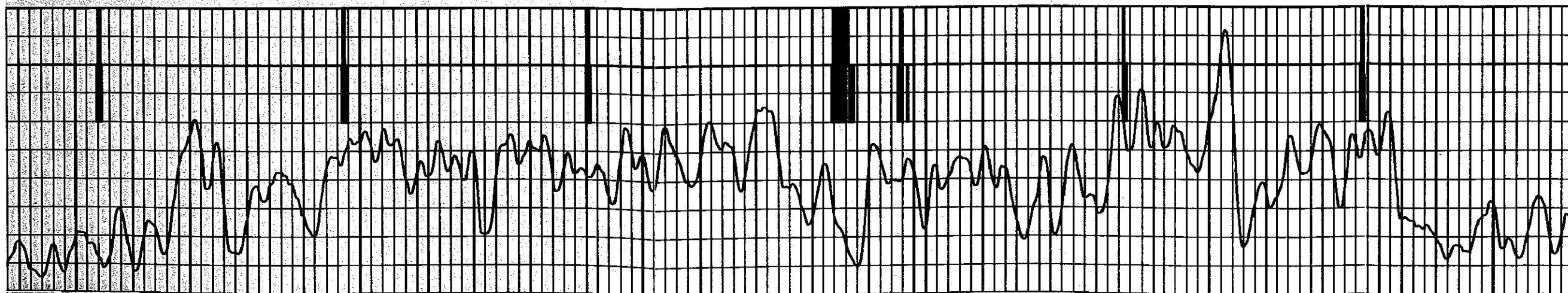
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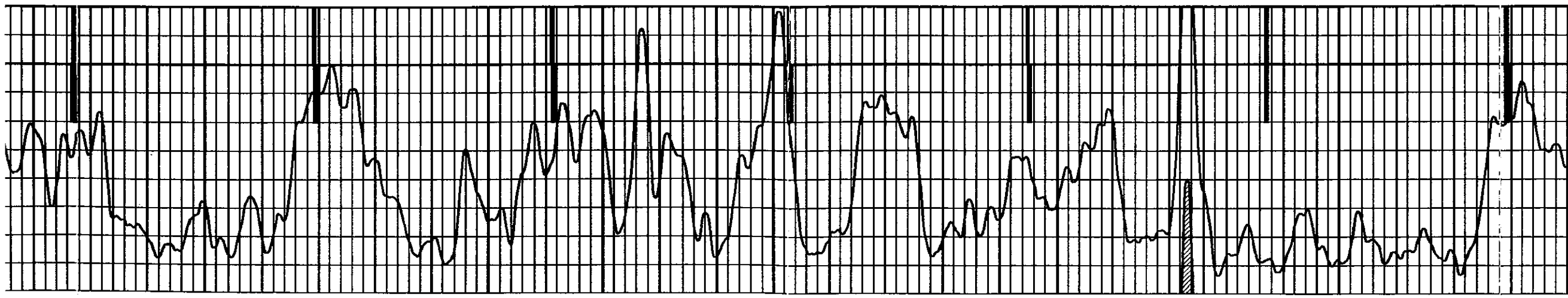
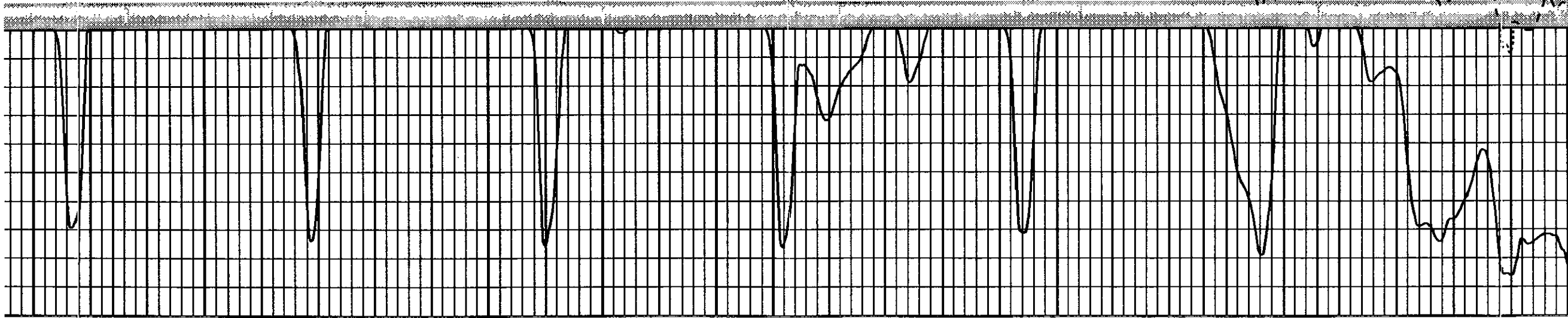
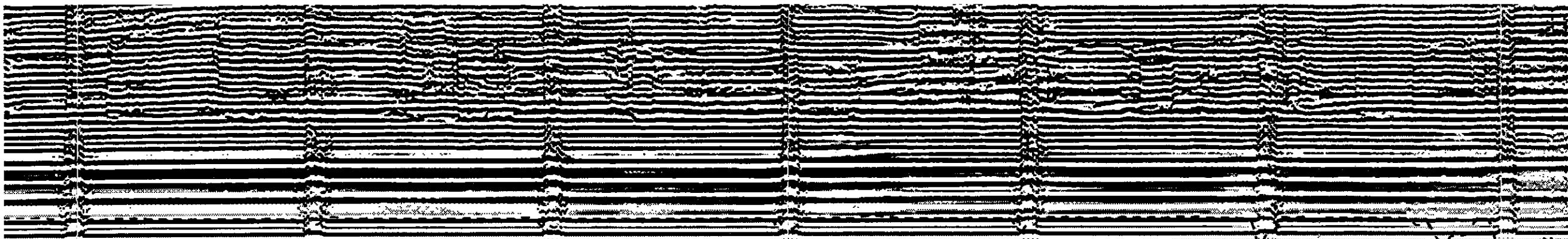
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1000

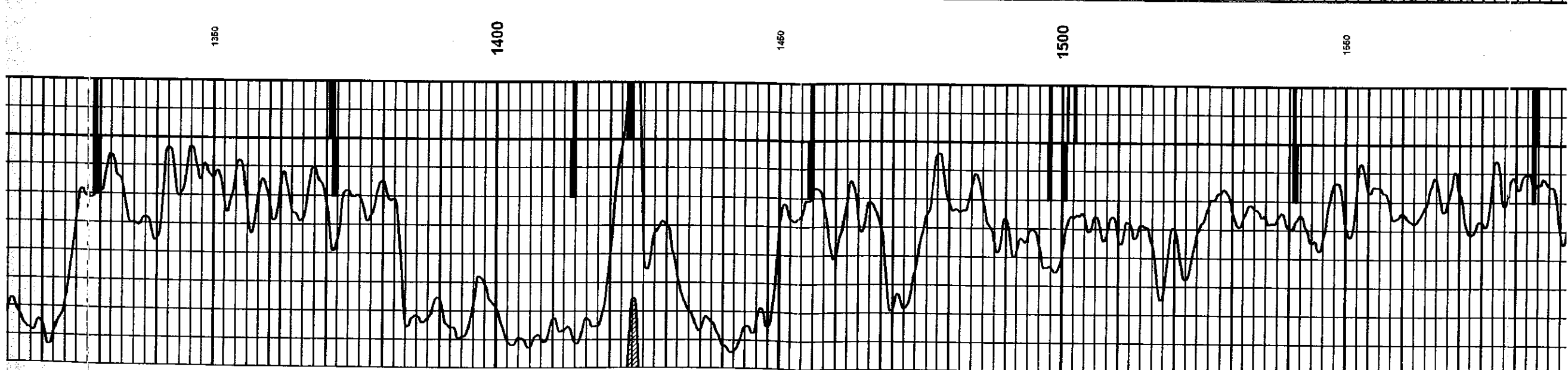
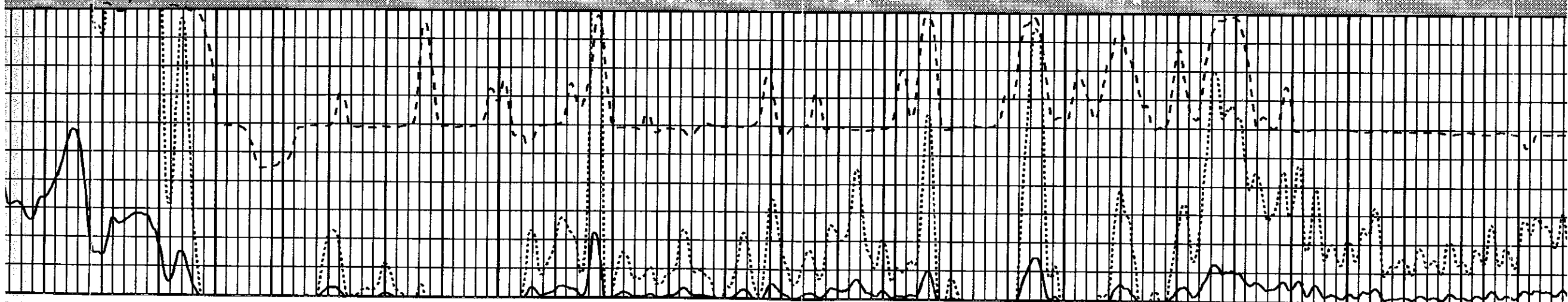
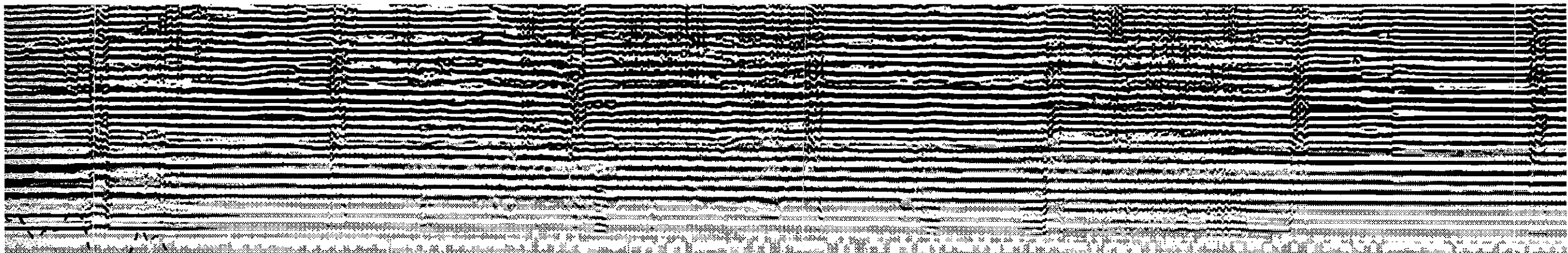
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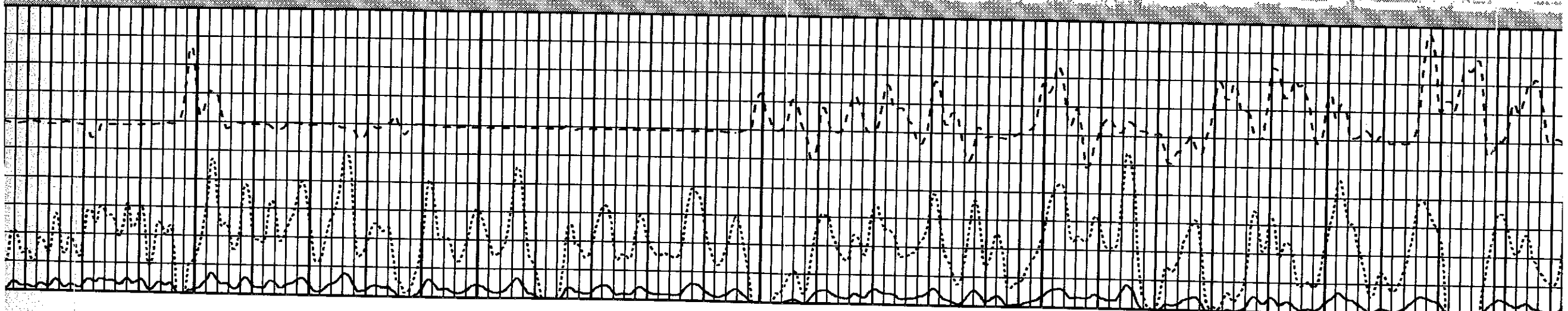
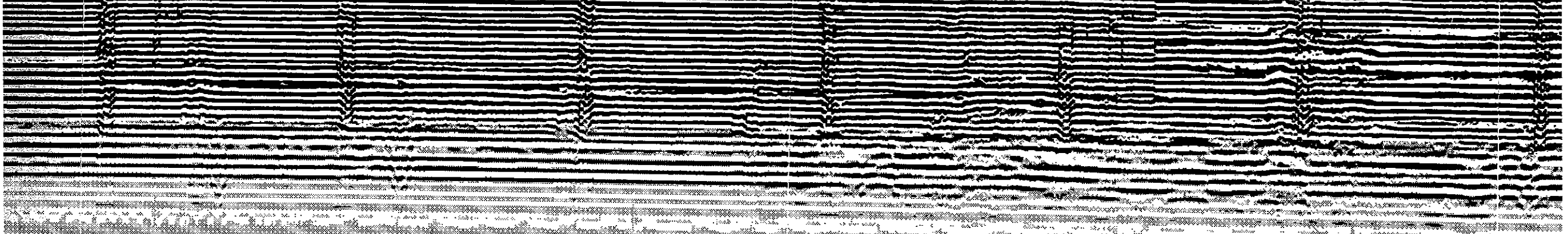
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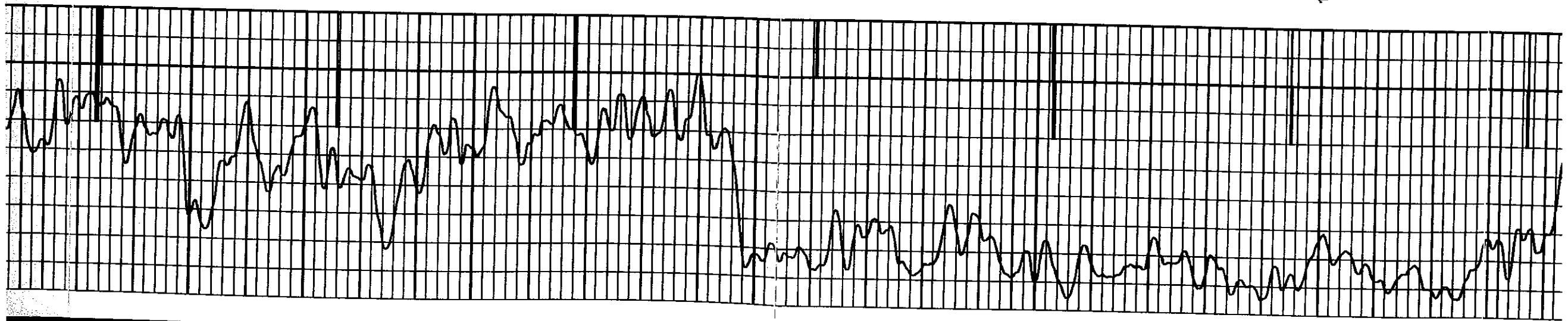
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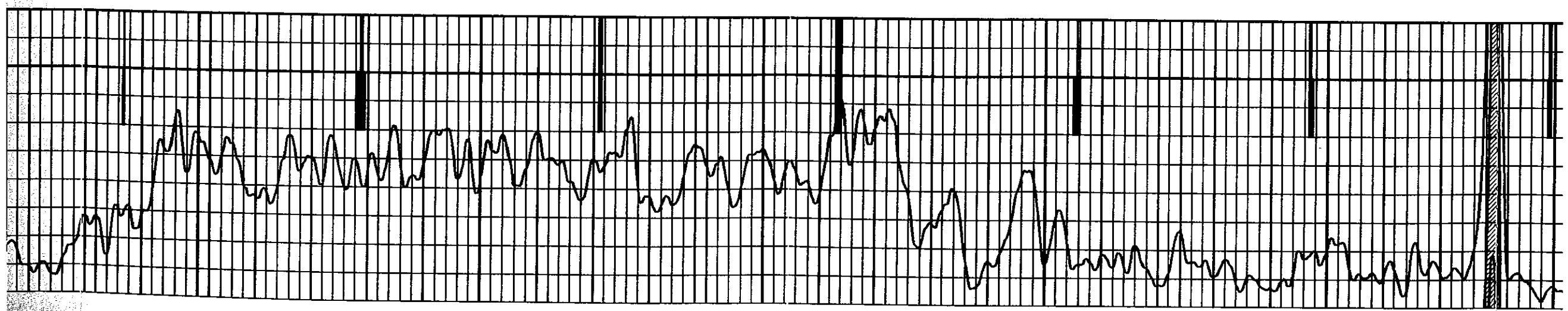
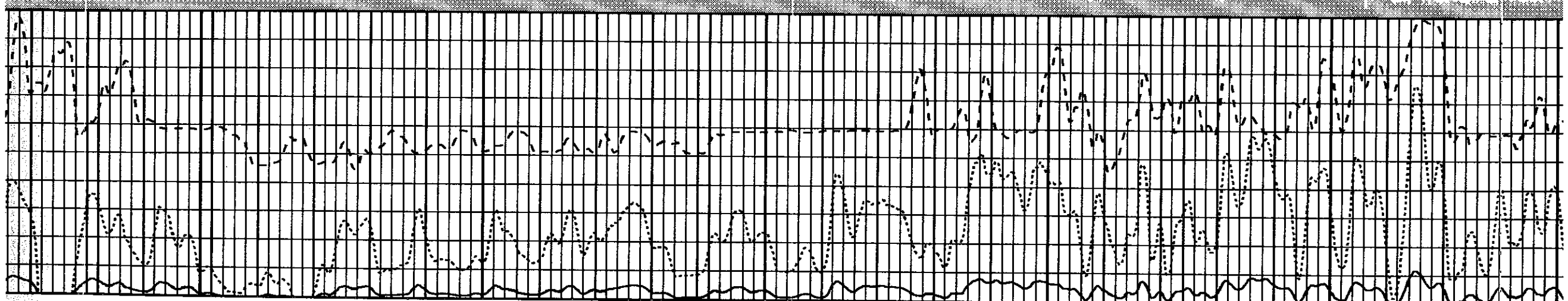
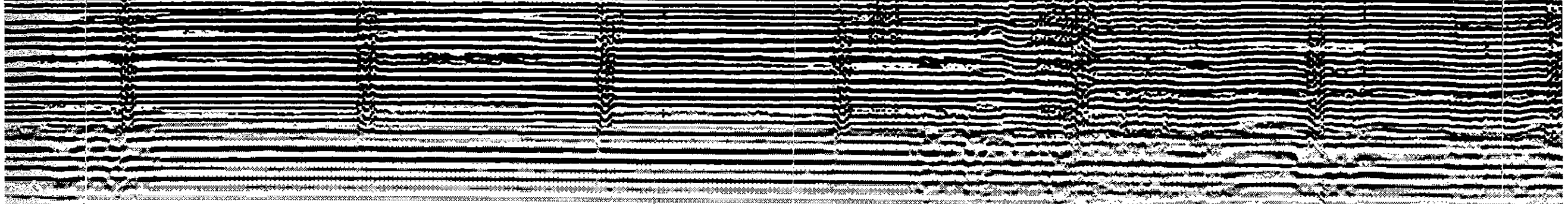
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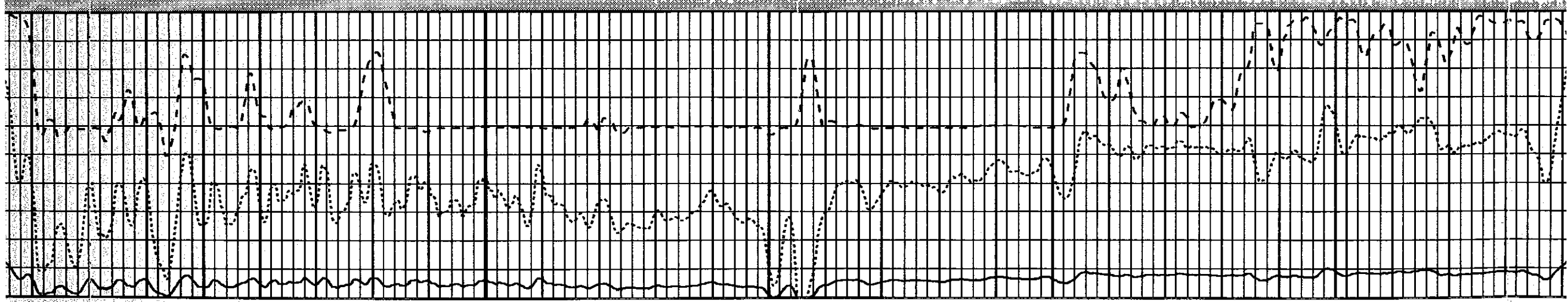
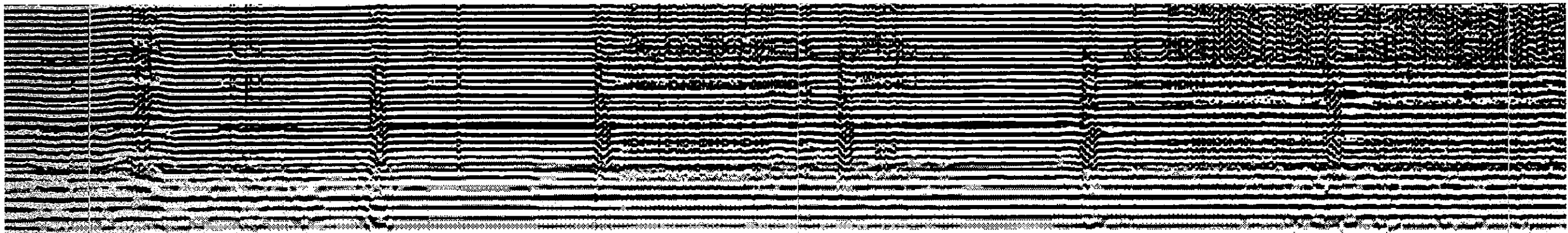
1750

1800









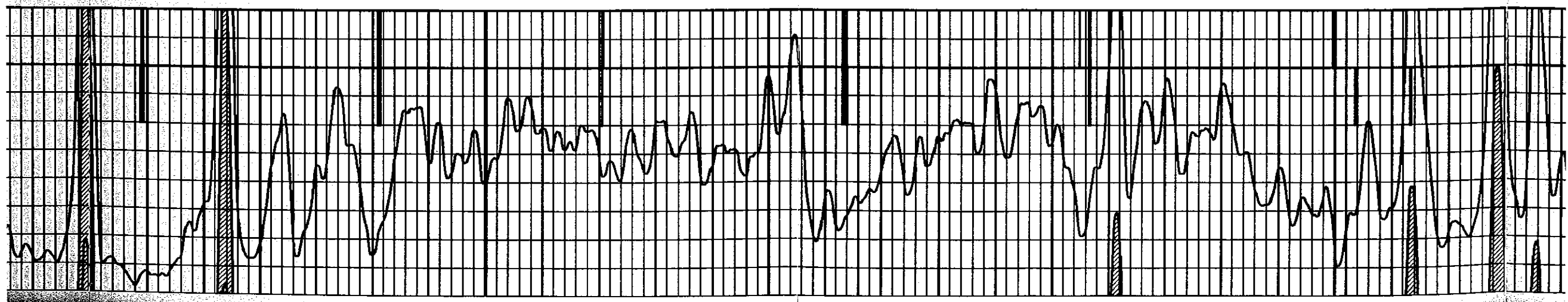
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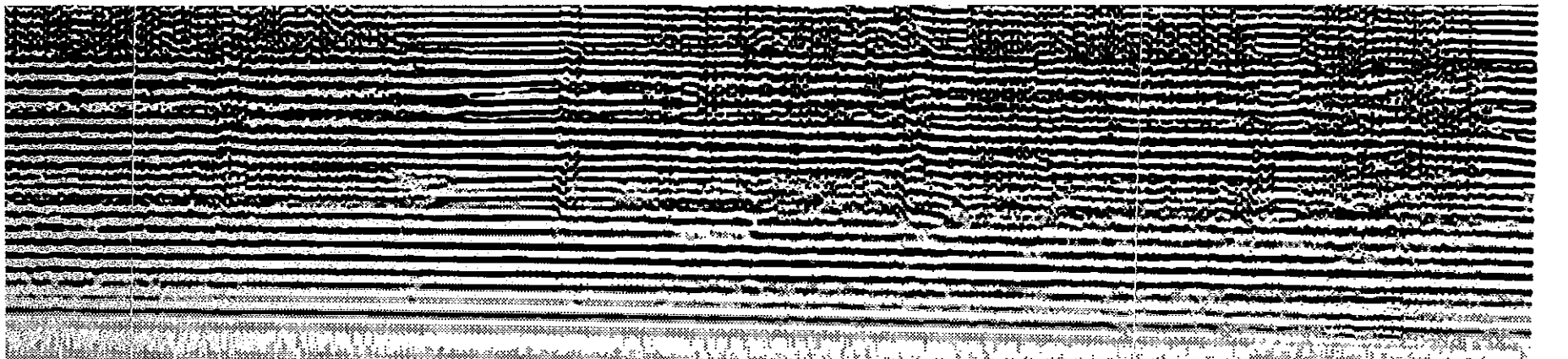
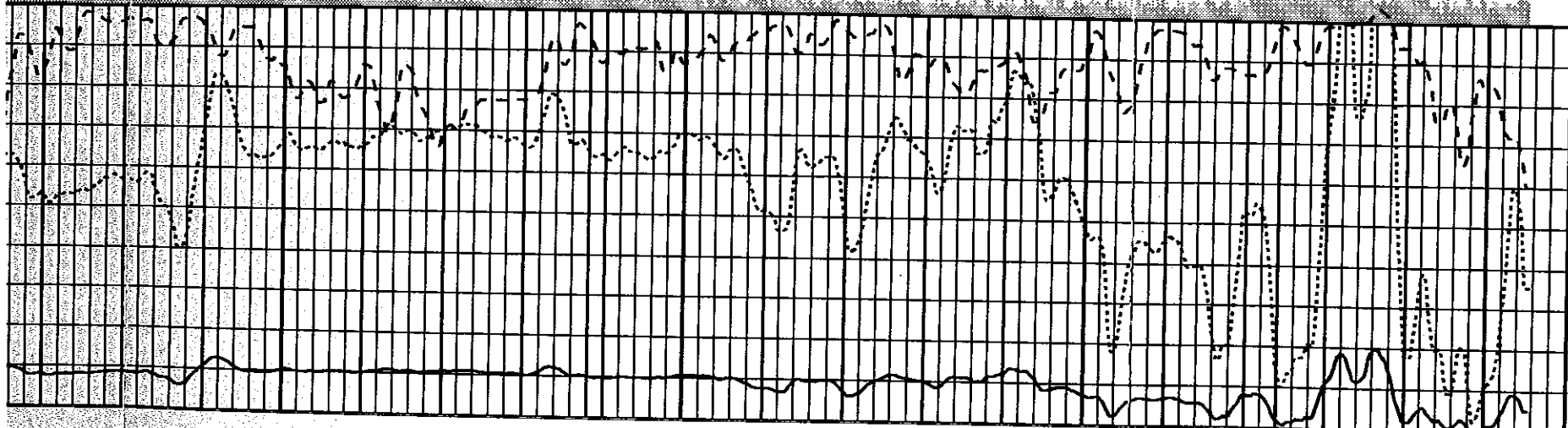
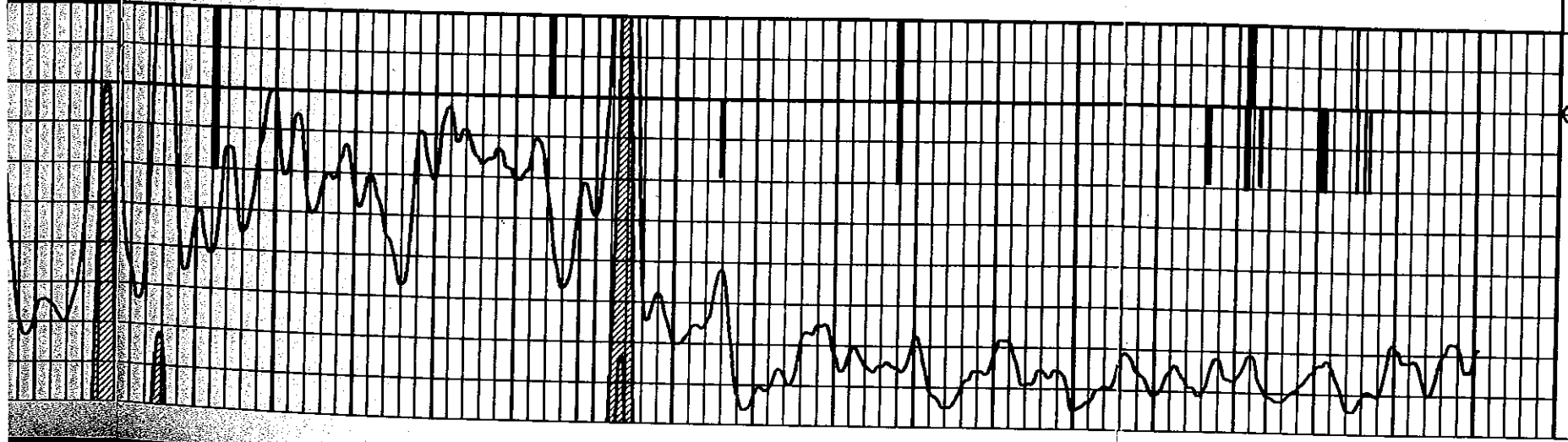
2150

2200

2250

2300





RUN: Run #1  
 DIR: UP  
 DATE: 09/23/21  
 TIME: 09:17:55

Run #1

START: 2494.75ft  
 STOP: -7.25ft  
 RES: 0.25ft  
 SCALE: 5"/100'

RUN: SONIC BOND AFTER DRILL OUT  
 DIR: UP  
 DATE: 10/01/21  
 TIME: 10:35:30

SONIC BOND AFTER DRILL OUT

START: 2660.00ft  
 STOP: 2304.00ft  
 RES: 0.25ft  
 SCALE: 5"/100'

RUN: SONIC BOND AFTER DRILL OUT

DIR: UP

DATE: 10/01/21

TIME: 10:55:30

# SONIC BOND AFTER DRILL OUT

START: 2660.0

STOP: 2304.0

RES: 0.2

SCALE: 5"/1'

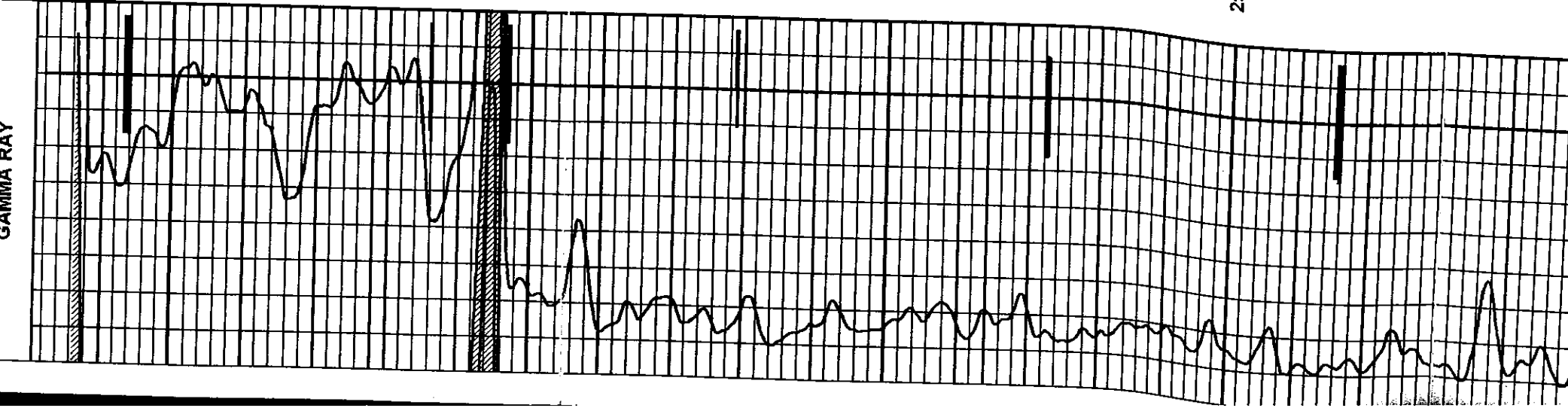
1000  
0  
150.0  
200  
20  
0.0

arrival time  
amplitude x 5

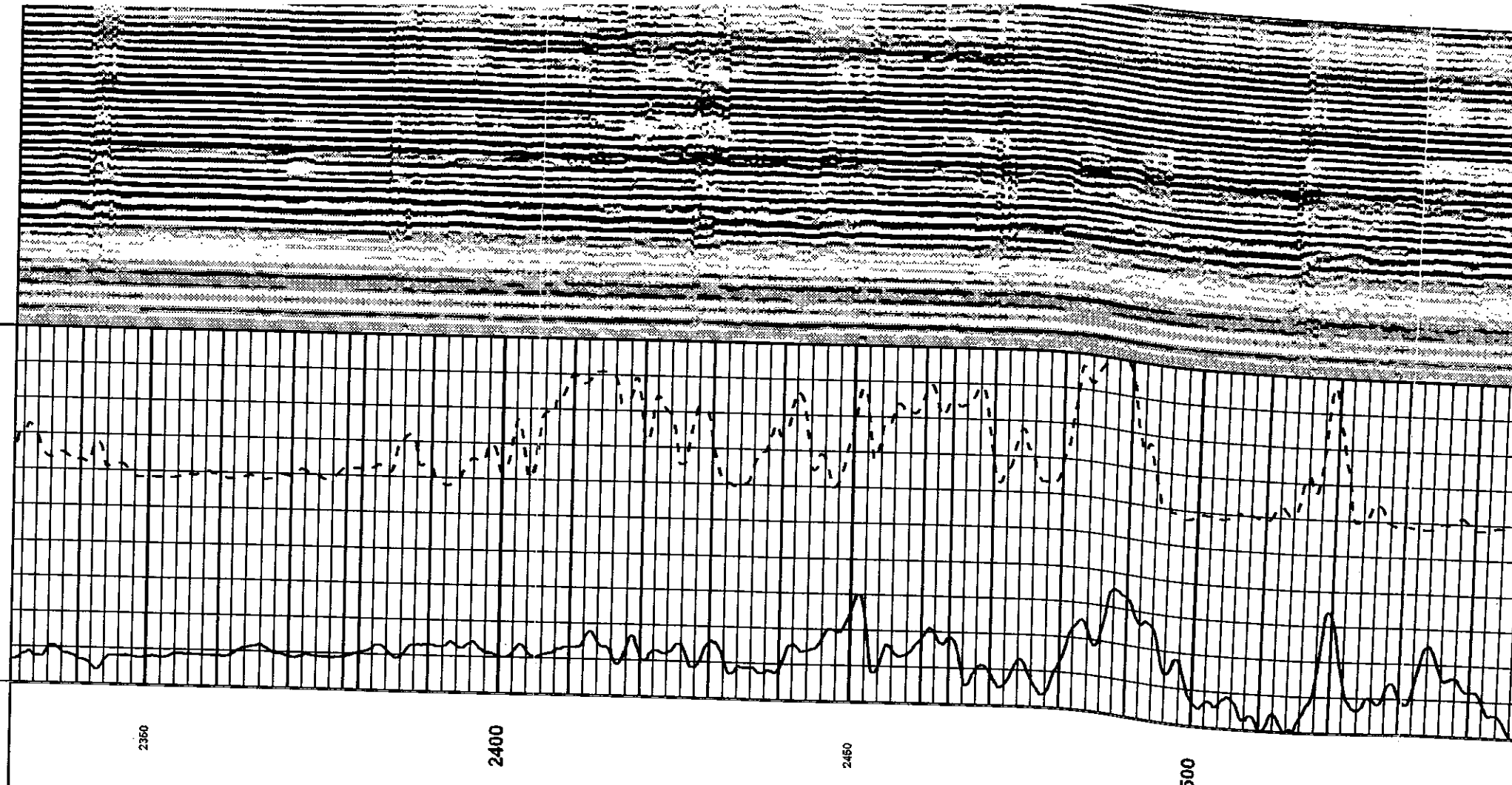
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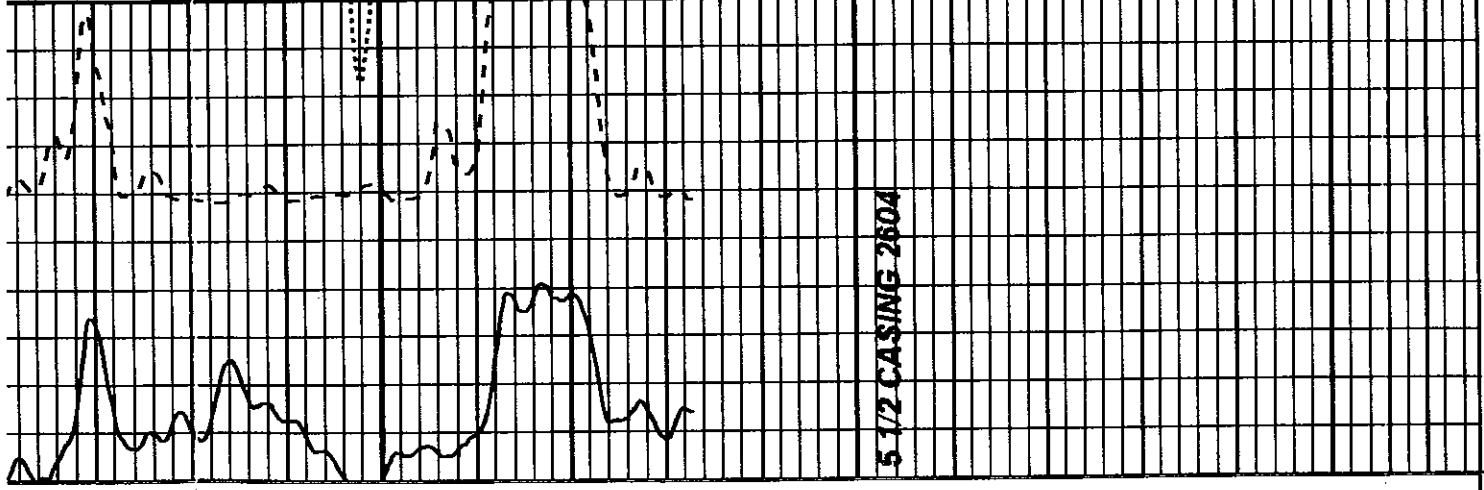
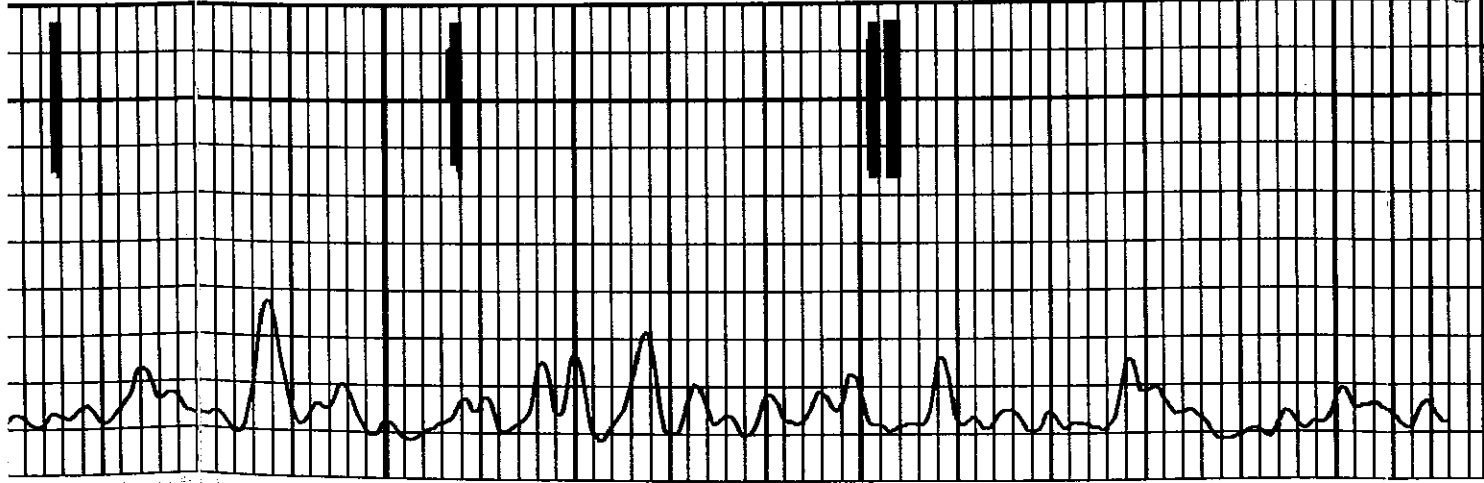
100.0

GAMMA RAY



VDL





0  
100.0  
↑  
GAMMA RAY  
CCL

0.0 150.0  
amplitude  
amplitude x 5  
arrival time  
VDL

RUN: SONIC BOND AFTER DRILL OUT

DIR: UP

DATE: 10/01/21

TIME: 10:35:30

START: 2660.00

STOP: 2304.00

RES: 0.2'

SCALE: 5"/10'

SONIC BOND AFTER DRILL OUT

**DYNA-LOG INC.**

Company VESS OIL CORPORATION

Well WILSON A 458

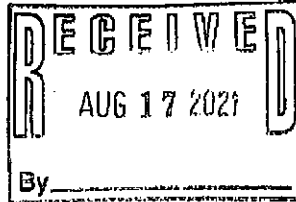
Field EL DORADO

Country U.S.A. State/Prv KANSAS



**HURRICANE SERVICES INC**

Remit To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515



Customer:  
VESS OIL CORP.  
1700 N WATERFRONT PKWY  
BLDG 500  
WICHITA, KS 67206

Invoice Date: 8/4/2021  
Invoice #: 0354559  
Lease Name: Wilson A  
Well #: 458 (New)  
County: Butler, Ks  
Job Number: EP2299  
District: East

| Date/Description    | HRS/QTY | Rate      | Total     |
|---------------------|---------|-----------|-----------|
| 7/21-Surface        | 0.000   | 0.000     | 0.00      |
| Heavy Eq Mileage    | 120.000 | 0.150     | 18.00     |
| Light Eq Mileage    | 120.000 | 0.075     | 9.00      |
| Ton Mllege-Minimum  | 1.000   | 270.000   | 270.00    |
| Cement Pump Service | 1.000   | 675.000   | 675.00    |
| H-325               | 157.000 | 18.000    | 2,826.00  |
| Job Credit          | 1.000-  | 1,500.000 | 1,500.00- |

**Total** 2,298.00

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**

Hurricane Services, Inc.  
 250 N. Water St., Suite #200  
 Wichita, KS 67202



|                  |               |  |                              |                              |   |
|------------------|---------------|--|------------------------------|------------------------------|---|
| Customer         | Vass Oil Corp | Lease & Well #                           | Wilson A #468                | Date                         | 7/21/2021   |
| Service District | Garnett       | County & State                           | Butler Co., KS               | Legals S/T/R                 | 8-259-6E  |
| Job Type         | Surface       | <input checked="" type="checkbox"/> PROD | <input type="checkbox"/> INJ | <input type="checkbox"/> SWD | Job #   |
|                  |               |  |                              | Now Well?                    | <input checked="" type="checkbox"/> YES <input type="checkbox"/> No |
|                  |               |  |                              |                              | Ticket #  |
|                  |               |  |                              |                              | EP2209  |

**Job Safety Analysis - A Discussion of Hazards & Safety Procedures**

|             |            |   |   |  |  |
|-------------|------------|---|---|--|--|
| Equipment # | Driver     | <input checked="" type="checkbox"/> Hard hat                | <input checked="" type="checkbox"/> Gloves            | <input type="checkbox"/> Lockout/Tagout                            | <input type="checkbox"/> Warning Signs & Flagging                      |
| 89          | Casey K    | <input checked="" type="checkbox"/> H2S Monitor             | <input checked="" type="checkbox"/> Eye Protection    | <input type="checkbox"/> Required Permits                          | <input type="checkbox"/> Fall Protection                               |
| 239         | Garrett S. | <input checked="" type="checkbox"/> Safety Footwear         | <input type="checkbox"/> Respiratory Protection       | <input checked="" type="checkbox"/> Slip/Trip/Fall Hazards         | <input checked="" type="checkbox"/> Specific Job Sequence/Expectations |
| 248         | Scott M.   | <input checked="" type="checkbox"/> FRC/Protective Clothing | <input type="checkbox"/> Additional Chemical/Add PPE  | <input checked="" type="checkbox"/> Overhead Hazards               | <input checked="" type="checkbox"/> Muster Point/Medical Locations     |
|             |            | <input checked="" type="checkbox"/> Hearing Protection      | <input checked="" type="checkbox"/> Fire Extinguisher | <input type="checkbox"/> Additional concerns or issues noted below |  |

**Comments**  
 Rig supplied water for cementing; credit \$1500 per Scotty's talk with Dylan K. - CM

| Product/Service Code | Description                  | Unit of Measure | Quantity | Net Amount   |
|----------------------|------------------------------|-----------------|----------|--------------|
| M010                 | Heavy Equipment Mileage      | mi              | 120.00   | \$16.00      |
| M016                 | Light Equipment Mileage      | mi              | 120.00   | \$0.00       |
| M025                 | Ton Mileage - Minimum        | each            | 1.00     | \$270.00     |
| C010                 | Cement Pump Service          | ea              | 1.00     | \$675.00     |
| CP015                | H-325                        | sack            | 157.00   | \$2,826.00   |
| C999                 | Job Credit - see notes above | ea              | 1.00     | (\$1,500.00) |

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

1  
  2  
  3  
  4  
  5  
  6  
  7  
  8  
  9  
  10  
 Extremely Likely

|   |      |           |  |           |             |
|---|------|-----------|--|-----------|-------------|
| Total Taxable   | \$ - | Tax Rate: |  | Net:      | \$2,298.00  |
| State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt. |      |           |  | Sale Tax: | \$ -        |
|   |      |           |  | Total:    | \$ 2,298.00 |

HSI Representative:

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. This authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

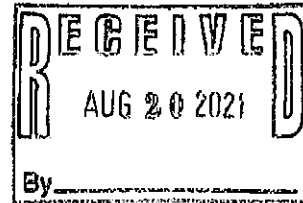
X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**







**HURRICANE SERVICES INC**



Remit To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515

**Customer:**

VESS OIL CORP.  
1700 N WATERFRONT PKWY  
BLDG 500  
WICHITA, KS 67206

Invoice Date: 8/11/2021  
Invoice #: 0354573  
Lease Name: Willson A  
Well #: 458 (New)  
County: Butler, Ks  
Job Number: WP1653  
District: Pratt

| Date/Description          | HRS/QTY | Rate      | Total    |
|---------------------------|---------|-----------|----------|
| 7/28/21-5 1/2" Two Stage  | 0.000   | 0.000     | 0.00     |
| H-Long                    | 150.000 | 24.080    | 3,612.00 |
| H-CON                     | 170.000 | 18.060    | 3,070.20 |
| Type B basket shoe 5 1/2" | 1.000   | 1,260.760 | 1,260.76 |
| 5 1/2" 2 Stage DV Tool    | 1.000   | 4,300.000 | 4,300.00 |
| Cement baskets 5 1/2"     | 2.000   | 258.000   | 516.00   |
| 5 1/2" Turbolizers        | 7.000   | 68.800    | 481.60   |
| Mud flush                 | 500.000 | 0.860     | 430.00   |
| Light Eq Mileage          | 5.000   | 1.720     | 8.60     |
| Heavy Eq Mileage          | 5.000   | 3.440     | 17.20    |
| Ton Mileage Minimum       | 1.000   | 258.000   | 258.00   |
| Cement Pump Service       | 1.000   | 1,290.000 | 1,290.00 |
| Cement Plug Container     | 1.000   | 215.000   | 215.00   |
| Cement Data Acquisition   | 1.000   | 215.000   | 215.00   |

**Total** 15,674.36

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

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**WE APPRECIATE YOUR BUSINESS!**





**CEMENT TREATMENT REPORT**

Customer: **Vess Oil Corp**  
 City, State: **Elderado Kansas**  
 Field Rep:

Well: **Wilson A-458**  
 County: **Butler Kansas**  
 S-T-R: **8-25s-05e**

Ticket: **wp 1653**  
 Date: **7/28/2021**  
 Service: **5 1/2 two stage**

| Downhole Information |                  |
|----------------------|------------------|
| Hole Size:           | <b>7 7/8 in</b>  |
| Hole Depth:          | <b>2901 ft</b>   |
| Casing Size:         | <b>5 1/2 in</b>  |
| Casing Depth:        | <b>2634 ft</b>   |
| Tubing / Liner:      | <b>in</b>        |
| Depth:               | <b>ft</b>        |
| Tool / Packer:       |                  |
| Tool Depth:          | <b>ft</b>        |
| Displacement:        | <b>62.0 bbls</b> |

| Calculated Slurry - Lead |                                 |
|--------------------------|---------------------------------|
| Blend:                   | <b>H-Long</b>                   |
| Weight:                  | <b>15.0 ppg</b>                 |
| Water / Sk:              | <b>6.0 gal / sx</b>             |
| Yield:                   | <b>1.42 ft<sup>3</sup> / sx</b> |
| Annular Bbls / Ft.:      | <b>bbs / ft.</b>                |
| Depth:                   | <b>ft</b>                       |
| Annular Volume:          | <b>0.0 bbls</b>                 |
| Excess:                  |                                 |
| Total Slurry:            | <b>36.0 bbls</b>                |
| Total Sacks:             | <b>180 sx</b>                   |

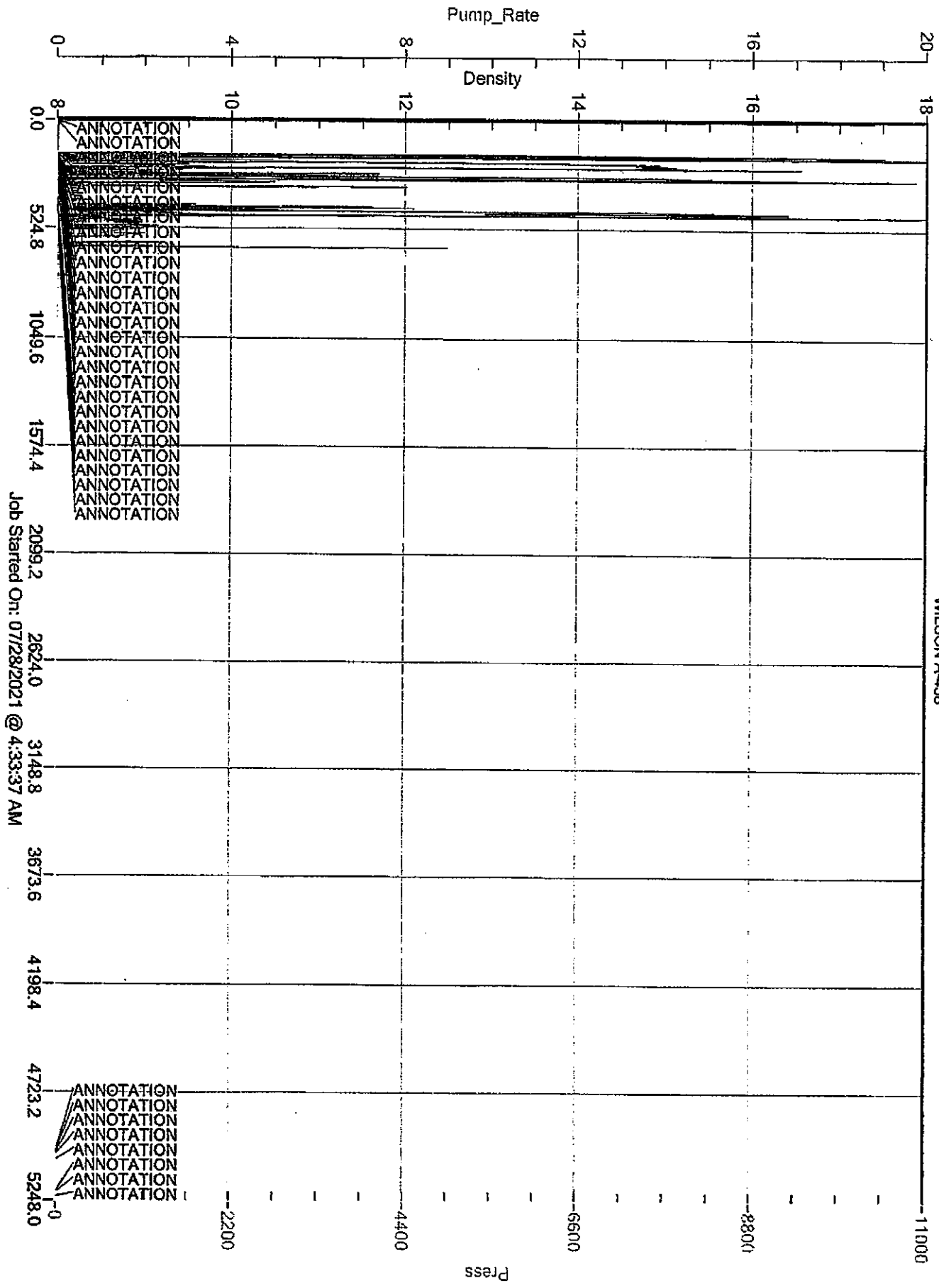
| Calculated Slurry - Tail |                            |
|--------------------------|----------------------------|
| Blend:                   |                            |
| Weight:                  | <b>ppg</b>                 |
| Water / Sk:              | <b>gal / sx</b>            |
| Yield:                   | <b>ft<sup>3</sup> / sx</b> |
| Annular Bbls / Ft.:      | <b>bbs / ft.</b>           |
| Depth:                   | <b>ft</b>                  |
| Annular Volume:          | <b>0 bbls</b>              |
| Excess:                  |                            |
| Total Slurry:            | <b>0.0 bbls</b>            |
| Total Sacks:             | <b>0 sx</b>                |

| TIME    | RATE | PSI   | BBLs | TOTAL BBLs | REMARKS   |
|---------|------|-------|------|------------|---|
| 4:00 AM |      |       |      |            | on location job and safety                            |
| 7:00 AM |      |       |      |            | spot trucks and rig up                                |
|         |      |       |      |            | centralizers 1,3,5,15,20,29,42                        |
|         |      |       |      |            | baskets 6.39  |
|         |      |       |      |            | dv tool at 980 ft                                     |
| 4:30 AM |      |       |      |            | start casing in hole                                  |
| 7:15 AM |      |       |      |            | pipe on bottom and circulate                          |
|         |      |       |      |            | <b>BOTTOM STAGE</b>                                   |
| 8:20 AM |      |       |      |            | start flush   |
|         | 5.0  | 200.0 | 5.0  |            | 5 bbls fresh  |
|         | 5.0  | 200.0 | 11.0 |            | 500 gal mud flush                                     |
|         | 5.0  | 200.0 | 5.0  |            | 5bbls fresh   |
| 8:25 AM |      |       |      |            | start cement  |
| 8:35 AM | 5.0  | 200.0 | 38.0 |            | cement in and shut down.....mixed 150 sacks cement    |
|         |      |       |      |            | wash pump and lines                                   |
| 8:45 AM | 5.0  | 150.0 |      |            | start displacement                                    |
|         | 3.0  | 250.0 | 65.0 |            | slow rate   |
| 9:00 AM | 3.0  | 500.0 | 62.0 |            | bump plug at 9:00 am 500 psi to 1500....plug did hold |
|         |      |       |      |            | drop opening tool for dv tool at 9:05 am              |
|         |      |       |      |            | open dv tool at 9:20 am and circulate                 |

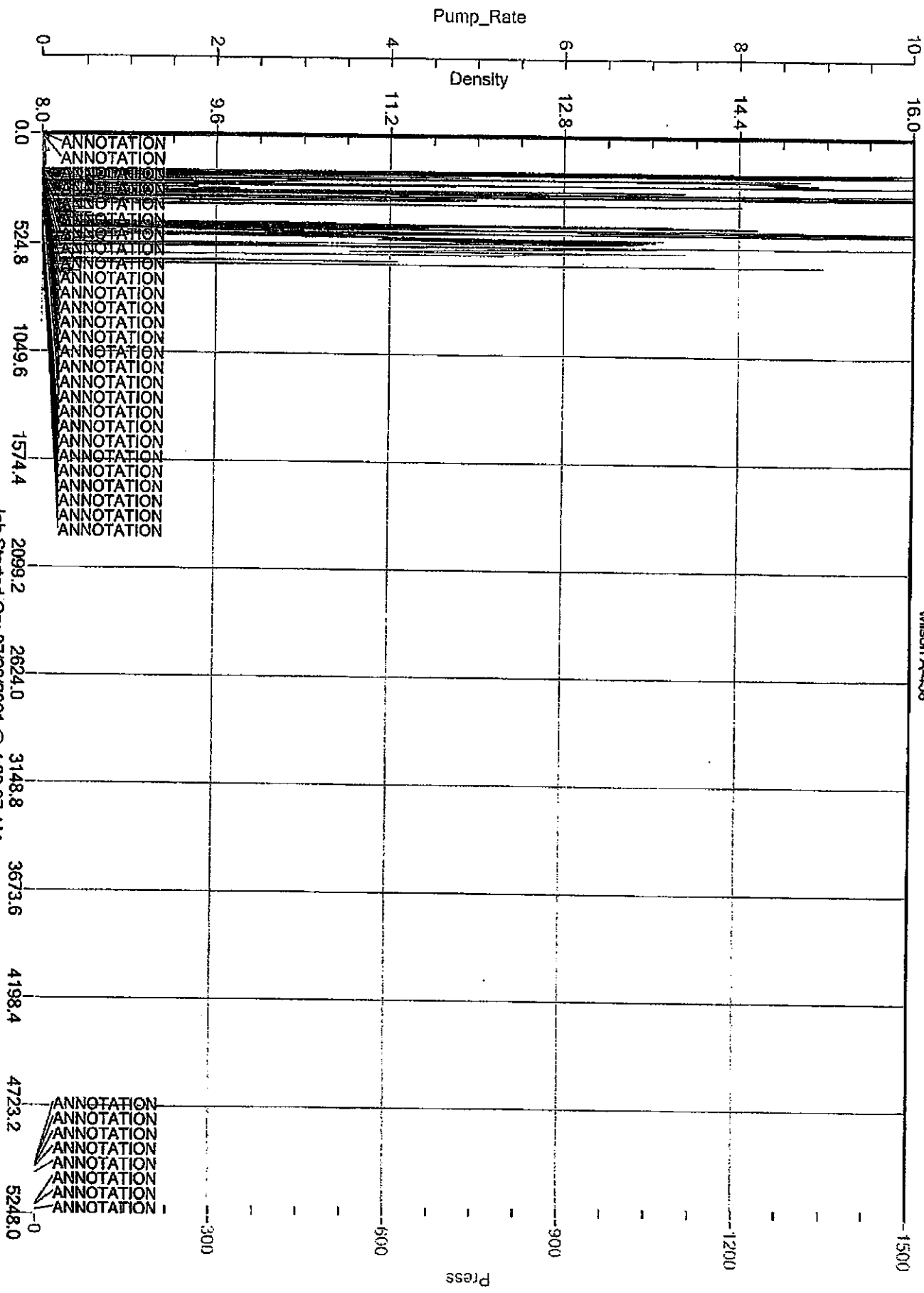
| CREW           |                    | UNIT           | SUMMARY        |                  |                 |
|----------------|--------------------|----------------|----------------|------------------|-----------------|
| Cementer:      | <b>M Brungardt</b> | <b>916</b>     | Average Rate   | Average Pressure | Total Fluid     |
| Pump Operator: | <b>R Osborn</b>    |                | <b>4.4 bpm</b> | <b>243 psi</b>   | <b>176 bbls</b> |
| Bulk #1:       | <b>J Travino</b>   | <b>178/521</b> |                |                  |                 |
| Bulk #2:       | <b>C Cobb</b>      | <b>181/533</b> |                |                  |                 |



VESS OIL  
WILSON A-458



Job Started On: 07/28/2021 @ 4:33:37 AM



Job Started On: 07/28/2021 @ 4:33:37 AM  
RFF





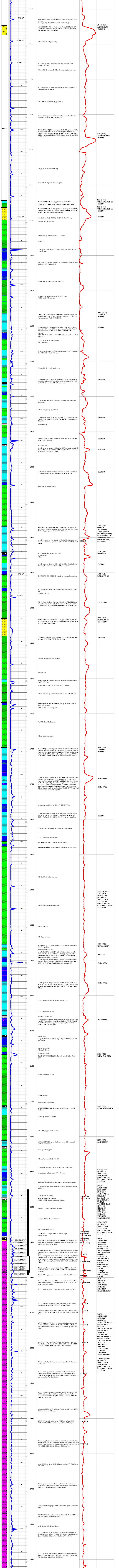
**GEOLOGIST'S REPORT**  
DRILLING TIME AND SAMPLE LOG

|          |                       |                      |        |            |                   |
|----------|-----------------------|----------------------|--------|------------|-------------------|
| COMPANY  |                       | VESS OIL CORPORATION |        | ELEVATIONS |                   |
| LEASE    | WILSON 'A' #458       | KB                   | 1406'  | GL         | 1397'             |
| FIELD    | EL DORADO             | Measurements Are All |        |            |                   |
| LOCATION | 2250' FSL & 1560' FWL | From                 | KB     |            |                   |
| SECTION  | 8                     | TOWNSHIP             | 25S    | RANGE      | 05E               |
| COUNTY   | BUTLER                | STATE                | KANSAS | API #      | 15-015-24149-0000 |

|                     |                        |            |   |
|---------------------|------------------------|------------|---|
| CONTRACTOR          | C & G DRILLING, RIG #2 | CASING     | 6 in. 8.58" 2300 LBS wt @ 240'            |
| RTD                 | 2901' (-1495)          | LPD        | n/a                                       |
| ELECTRICAL SURVEYS  |                        | PRODUCTION | 0.12 @ 1525-1530 MVA-45                   |
| No Open Hole E-logs |                        |            | wt @ 2901' 8.58" 15.0 in 11.1 long casing |

| FORMATION TOPS | LOGS | SAMPLES       | CHRONOLOGY   |
|----------------|------|---------------|--|
| ADMIRE 650 SS  | ---  | 674 (752)     | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| BURLINGAME LS  | ---  | 832 (750)     | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| WHITE CLOUD SD | ---  | 922 (+4)      | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| TOPEKA         | ---  | 1082 (+24)    | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| HEBNER         | ---  | 1421 (-15)    | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| DOUGLASS       | ---  | 1518 (-149)   | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| LANSING        | ---  | 1698 (-292)   | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| KANSAS CITY    | ---  | 1978 (-472)   | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| CHECKERBOARD   | ---  | 2134* (-728)  | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| HEFLER SD      | ---  | 2386* (-980)  | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| ALFAMONT       | ---  | 2550* (-1144) | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| CHEROKEE       | ---  | 2590* (-1184) | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| ARBUCKLE       | ---  | 2590* (-1184) | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |
| RTD            | ---  | 2400* (-1194) | 12 1/4" hole @ 130PM. Run 248' of 6.5" 2300 LBS wt @ 240' of 6.5" casing. Cemented to 157' in Class A. P&C 22.5% @ 157-248'. |

**REMARKS:**  
Production casing 62 in 5 1/2" @ 157' in Class A. P&C 22.5% @ 157-248'.  
Drill mud @ 2901' w/ 2.5% bentonite. Circulation @ 2901' w/ 2.5% bentonite.  
Kobach, DV cemented at 157' in Class A. P&C 22.5% @ 157-248'.  
Dropped ball @ 7.15 @ (28' 22.5% @ 2901' w/ bentonite).







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
 1700 N. Waterfront Parkw ay  
 Building 500  
 Wichita, KS 67206-6619  
 ATTN: Dylan Klaus/Roger Ma

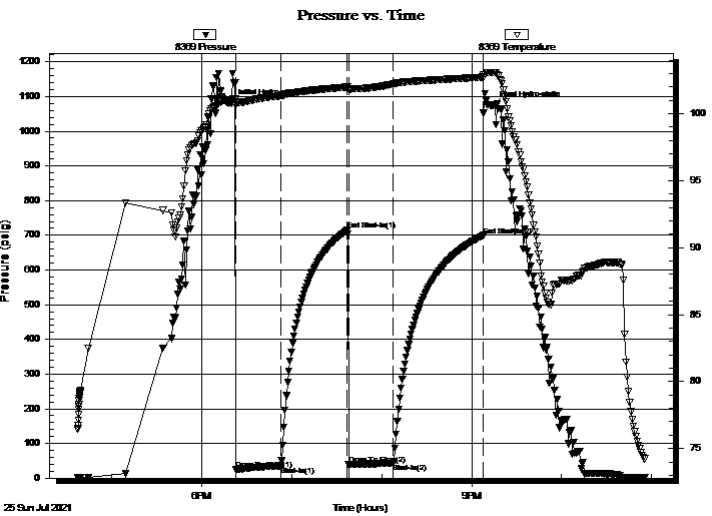
**8/25S/5E Butler, KS**  
**Wilson A #458**  
 Job Ticket: 66750 **DST#: 1**  
 Test Start: 2021.07.25 @ 16:37:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:22:30  
 Time Test Ended: 22:56:00  
 Interval: **2325.00 ft (KB) To 2420.00 ft (KB) (TVD)**  
 Total Depth: 2420.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 80  
 Reference Elevations: 1406.00 ft (KB)  
 1397.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8369 Outside**  
 Press@RunDepth: 43.52 psig @ 2326.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.07.25 End Date: 2021.07.25 Last Calib.: 1899.12.30  
 Start Time: 16:37:01 End Time: 22:56:00 Time On Btm: 2021.07.25 @ 18:19:40  
 Time Off Btm: 2021.07.25 @ 21:14:09

**TEST COMMENT:** IF - Weak blow building to 1 1/3 inches of water.  
 FF - No blow throughout final flow period.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1080.52         | 101.04       | Initial Hydro-static |
| 3           | 24.79           | 100.59       | Open To Flow (1)     |
| 33          | 35.64           | 101.34       | Shut-In(1)           |
| 78          | 714.83          | 102.00       | End Shut-In(1)       |
| 79          | 38.66           | 101.78       | Open To Flow (2)     |
| 109         | 43.52           | 102.21       | Shut-In(2)           |
| 169         | 699.45          | 102.73       | End Shut-In(2)       |
| 175         | 1073.72         | 103.08       | Final Hydro-static   |

## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 40.00       | Tr OCM Tr O & 100%M  | 0.20         |
| 0.00        | TS TrOCM TrO & 100%M | 0.00         |
|             |                      |              |
|             |                      |              |
|             |                      |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
1700 N. Waterfront Parkw ay  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

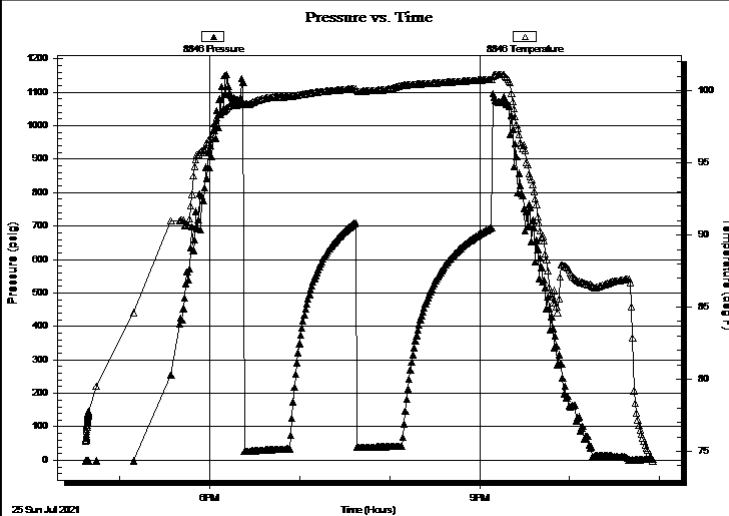
**8/25S/5E Butler, KS**  
**Wilson A #458**  
Job Ticket: 66750 **DST#: 1**  
Test Start: 2021.07.25 @ 16:37:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:22:30  
Time Test Ended: 22:56:00  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 80  
Interval: **2325.00 ft (KB) To 2420.00 ft (KB) (TVD)**  
Reference Elevations: 1406.00 ft (KB)  
Total Depth: 2420.00 ft (KB) (TVD) 1397.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 8846** Inside  
Press@RunDepth: psig @ 2326.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.07.25 End Date: 2021.07.25 Last Calib.: 1899.12.30  
Start Time: 16:37:01 End Time: 22:56:10 Time On Btm:  
Time Off Btm:

TEST COMMENT: IF - Weak blow building to 1 1/3 inches of water.  
FF - No blow throughout final flow period.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |

## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 40.00       | Tr OCM Tr O & 100%M  | 0.20         |
| 0.00        | TS TrOCM TrO & 100%M | 0.00         |
|             |                      |              |
|             |                      |              |
|             |                      |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Vess Oil Corporation

**8/25S/5E Butler, KS**

1700 N. Waterfront Parkw ay  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

Job Ticket: 66750

**DST#: 1**

Test Start: 2021.07.25 @ 16:37:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: in<sup>3</sup>

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbl |
|--------------|----------------------|---------------|
| 40.00        | Tr OCM Tr O & 100%M  | 0.197         |
| 0.00         | TS TrOCM TrO & 100%M | 0.000         |

Total Length: 40.00 ft      Total Volume: 0.197 bbl

Num Fluid Samples: 0

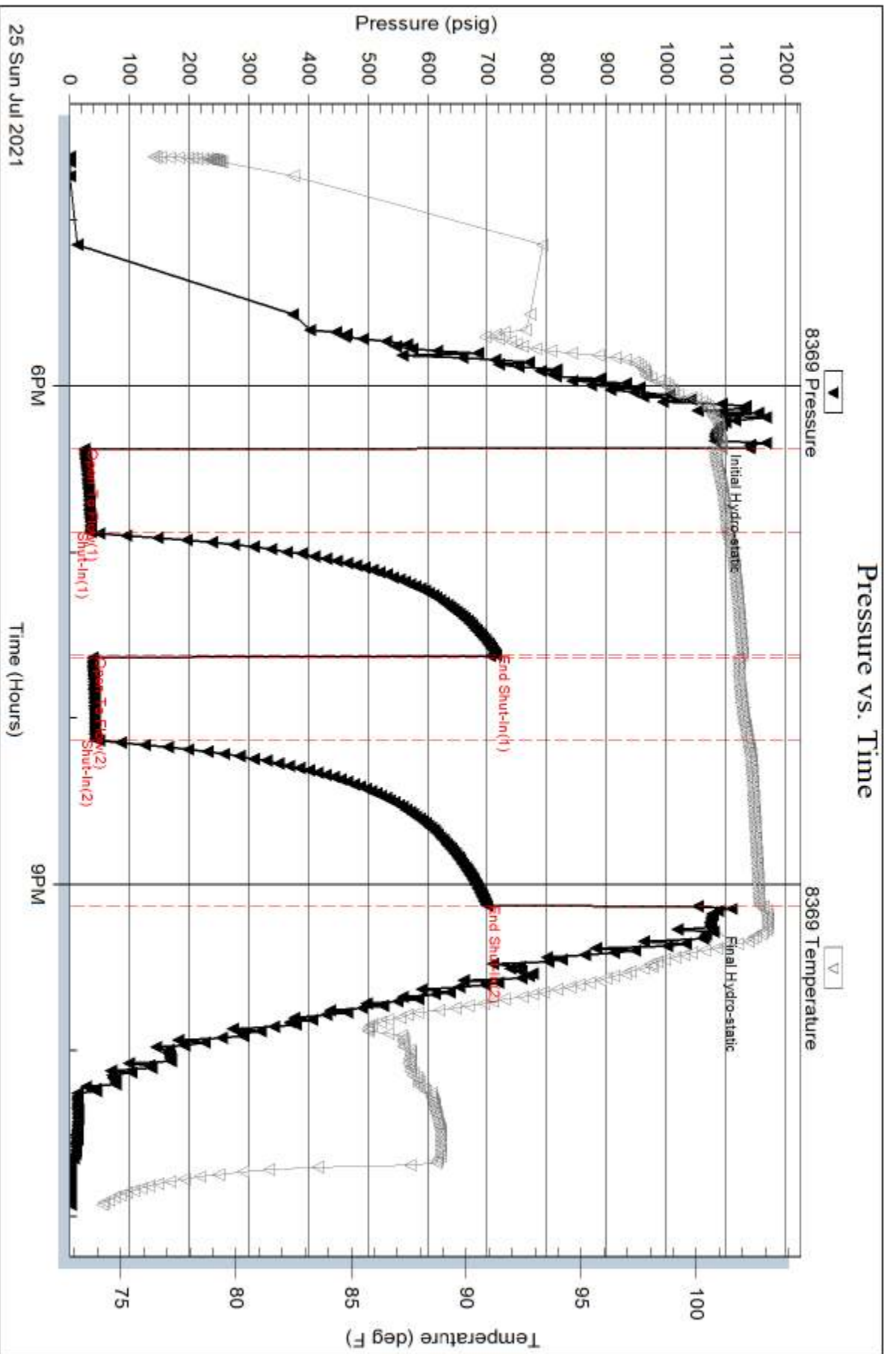
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



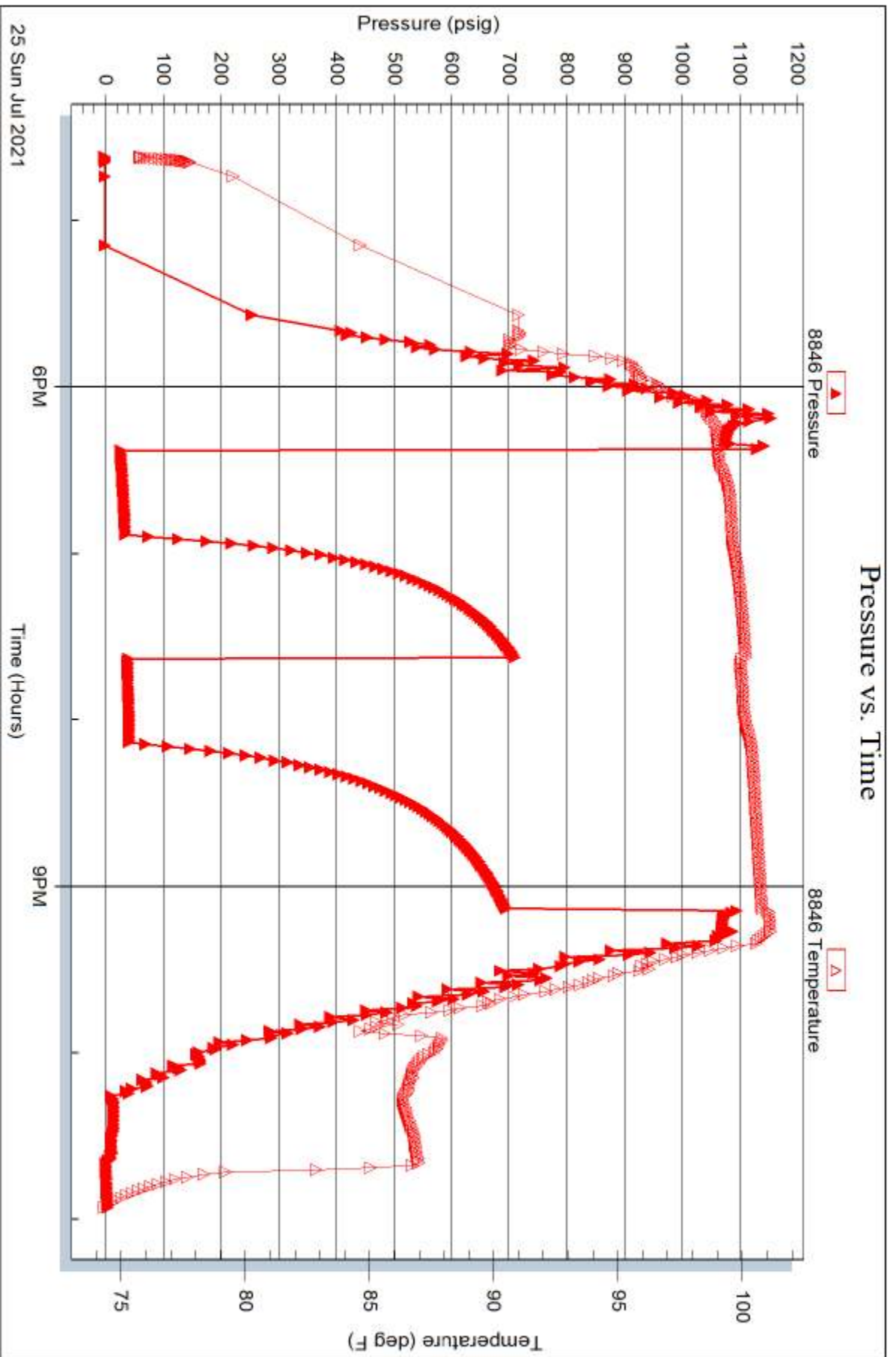
Serial #: 8846

Inside

Vess Oil Corporation

Wilson A #458

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 66750

Printed: 2021.07.26 @ 07:04:25



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
1700 N. Waterfront Parkw ay  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

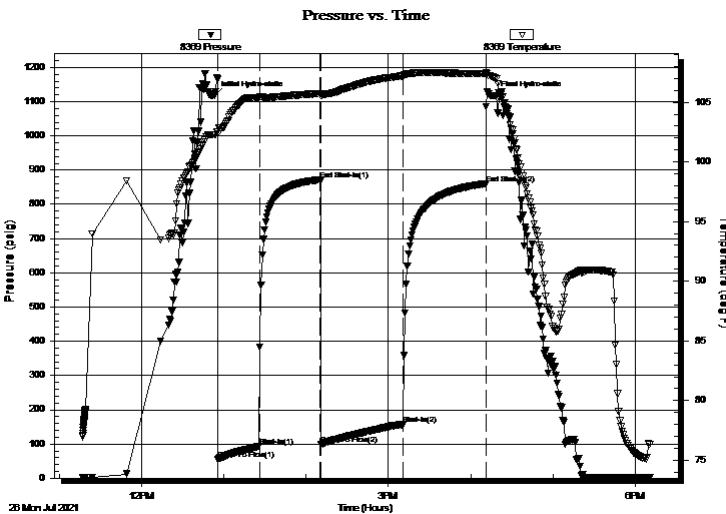
**8/25S/5E Butler, KS**  
**Wilson A #458**  
Job Ticket: 67126 **DST#: 2**  
Test Start: 2021.07.26 @ 11:17:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 12:55:50  
Time Test Ended: 18:11:00  
Interval: **2420.00 ft (KB) To 2443.00 ft (KB) (TVD)**  
Total Depth: 2443.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 1406.00 ft (KB)  
1397.00 ft (CF)  
KB to GR/CF: 9.00 ft  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 80

**Serial #: 8369 Outside**  
Press@RunDepth: 156.33 psig @ 2421.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.07.26 End Date: 2021.07.26 Last Calib.: 1899.12.30  
Start Time: 11:17:01 End Time: 18:11:00 Time On Btm: 2021.07.26 @ 12:53:20  
Time Off Btm: 2021.07.26 @ 16:17:00

**TEST COMMENT:** IF - Slid 2 feet causing around a 4 inch blow . Weak blow building to 5 1/5 inches of water during initial flow period.  
FF - Weak blow building to 3 inches of water during final flow period.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1117.85         | 102.29       | Initial Hydro-static |
| 3           | 54.89           | 102.34       | Open To Flow (1)     |
| 33          | 94.20           | 105.39       | Shut-In(1)           |
| 77          | 871.79          | 105.73       | End Shut-In(1)       |
| 78          | 98.99           | 105.53       | Open To Flow (2)     |
| 138         | 156.33          | 107.21       | Shut-In(2)           |
| 198         | 860.86          | 107.42       | End Shut-In(2)       |
| 204         | 1117.50         | 107.08       | Final Hydro-static   |

## Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 305.00      | TrOWCM Tr O 48%W 52%M    | 1.50         |
| 5.00        | OSHM CW 2%O 51%W 47%M    | 0.06         |
| 0.00        | TS VSO&MCW 5%O 71%W 24%M | 0.00         |
|             |                          |              |
|             |                          |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vess Oil Corporation

**8/25S/5E Butler, KS**

1700 N. Waterfront Parkw ay  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

Job Ticket: 67126

**DST#: 2**

Test Start: 2021.07.26 @ 11:17:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 8.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 14.39 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 25000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

| Length<br>ft | Description              | Volume<br>bbl |
|--------------|--------------------------|---------------|
| 305.00       | TrOWCM Tr O 48%W 52%M    | 1.500         |
| 5.00         | OSHMCW 2%O 51%W 47%M     | 0.061         |
| 0.00         | TS VSO&MCW 5%O 71%W 24%M | 0.000         |

Total Length: 310.00 ft      Total Volume: 1.561 bbl

Num Fluid Samples: 0

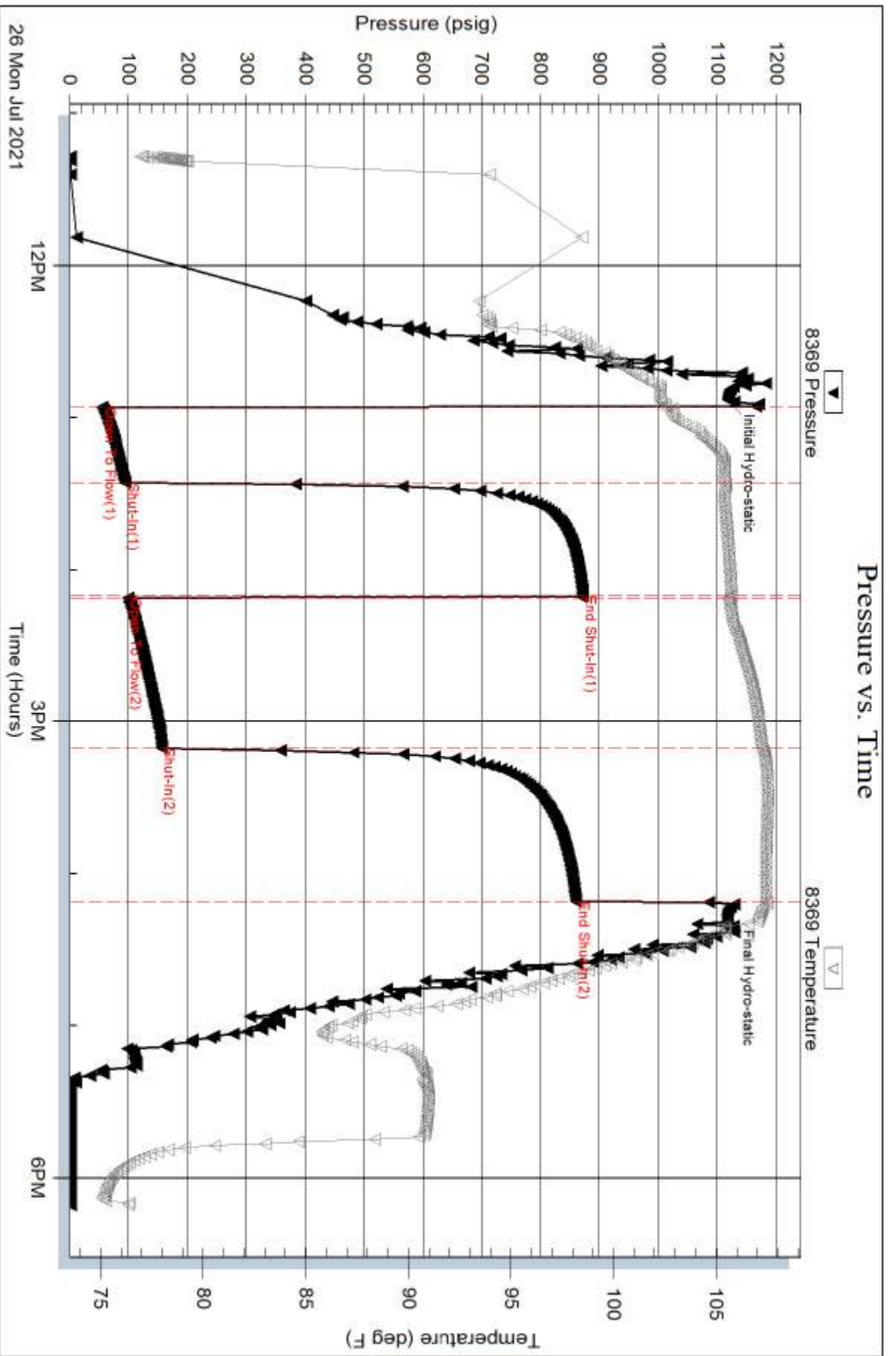
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



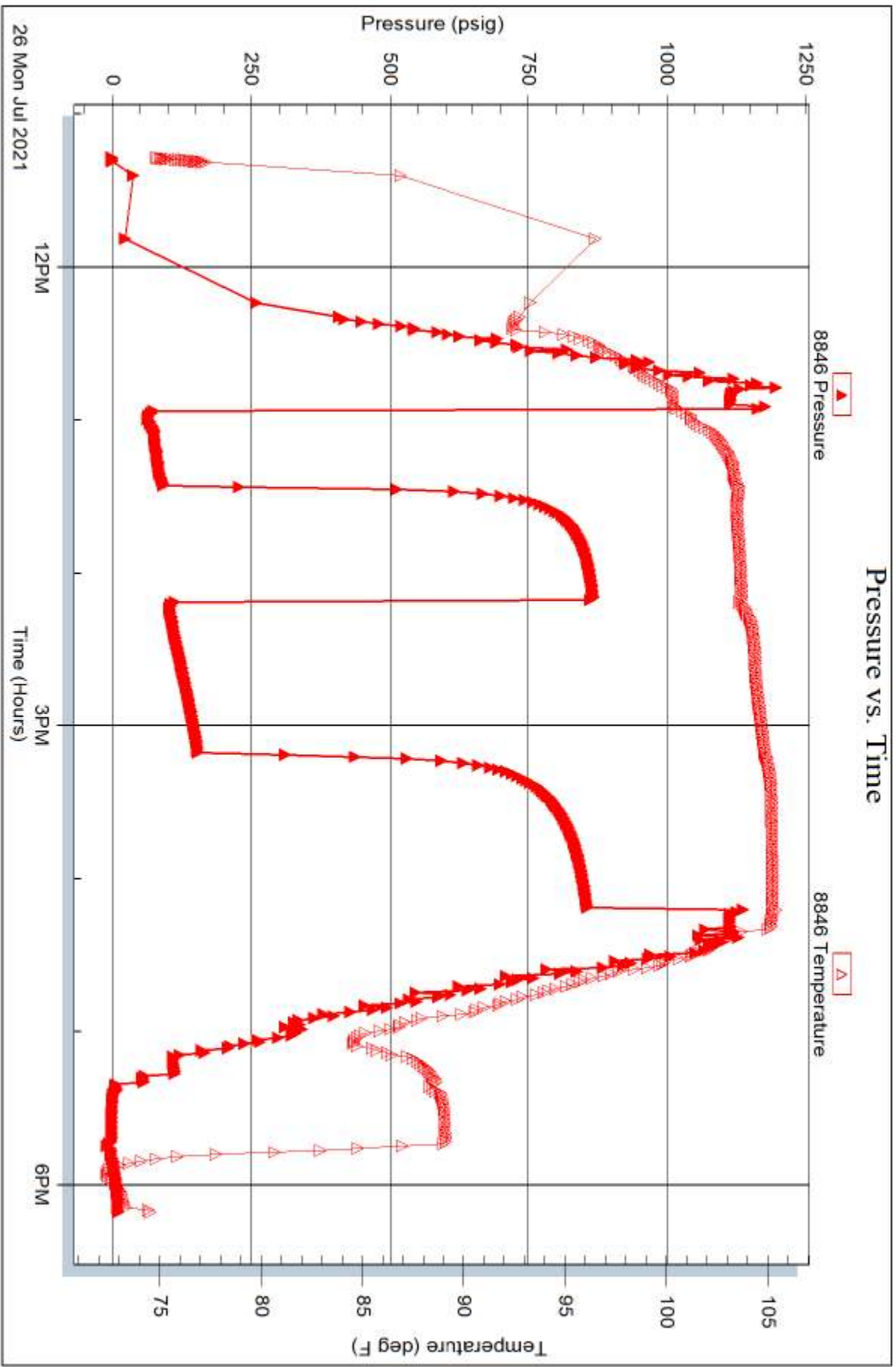
Serial #: 8846

Inside

Vess Oil Corporation

Wilson A. #458

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67126

Printed: 2021.07.26 @ 21:41:47



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vess Oil Corporation  
 1700 N. Waterfront Parkw ay  
 Building 500  
 Wichita, KS 67206-6619  
 ATTN: Dylan Klaus/Roger Ma

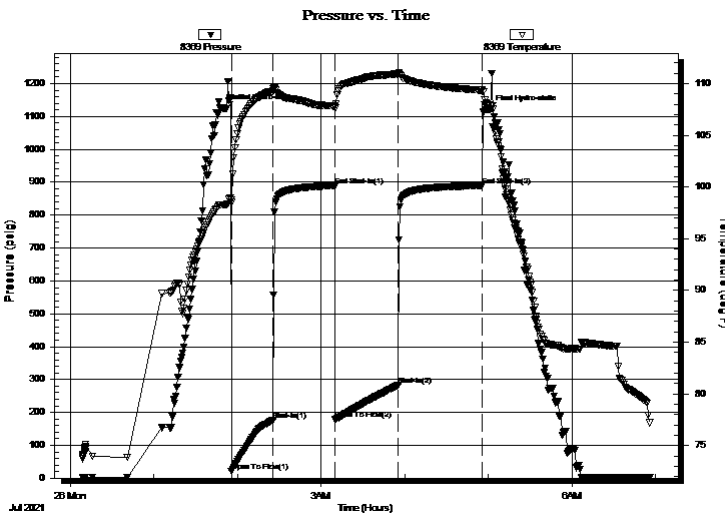
**8/25S/5E Butler, KS**  
**Wilson A #458**  
 Job Ticket: 67127 **DST#: 3**  
 Test Start: 2021.07.26 @ 00:09:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:55:40  
 Time Test Ended: 06:56:20  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 80  
 Interval: **2439.00 ft (KB) To 2447.00 ft (KB) (TVD)**  
 Reference Elevations: 1406.00 ft (KB)  
 Total Depth: 2447.00 ft (KB) (TVD) 1397.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 8369 Outside**  
 Press@RunDepth: 282.61 psig @ 2440.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.07.26 End Date: 2021.07.26 Last Calib.: 1899.12.30  
 Start Time: 00:09:01 End Time: 06:56:20 Time On Btm: 2021.07.26 @ 01:51:30  
 Time Off Btm: 2021.07.26 @ 05:00:39

**TEST COMMENT:** IF - Weak blow building to strong blow 12 minutes into initial flow period. Continuing to build to 25 inches of water.  
 FF - Weak blow building to strong blow 15 minutes into final flow period. Continuing to build to 34 inches of water.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1124.13         | 98.31        | Initial Hydro-static |
| 5           | 20.31           | 98.50        | Open To Flow (1)     |
| 35          | 176.89          | 109.28       | Shut-In(1)           |
| 79          | 889.34          | 107.80       | End Shut-In(1)       |
| 79          | 177.97          | 107.61       | Open To Flow (2)     |
| 124         | 282.61          | 110.93       | Shut-In(2)           |
| 185         | 889.43          | 109.34       | End Shut-In(2)       |
| 190         | 1120.20         | 107.89       | Final Hydro-static   |

## Recovery

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 600.00      | Tr OSMCW Tr O 91%W 9%M | 5.63         |
| 0.00        | OSHMCW 1%O 59%W 40%M   | 0.00         |
|             |                        |              |
|             |                        |              |
|             |                        |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Vess Oil Corporation  
 1700 N. Waterfront Parkw ay  
 Building 500  
 Wichita, KS 67206-6619  
 ATTN: Dylan Klaus/Roger Ma

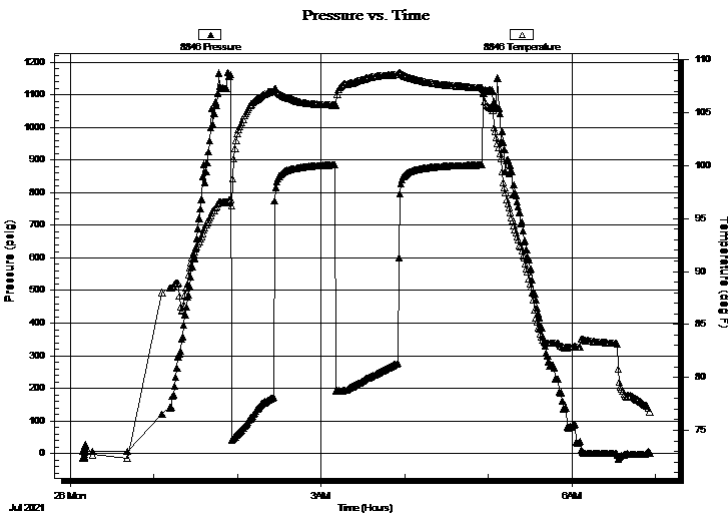
**8/25S/5E Butler, KS**  
**Wilson A #458**  
 Job Ticket: 67127 **DST#: 3**  
 Test Start: 2021.07.26 @ 00:09:00

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 01:55:40 Tester: Jimmy Ricketts  
 Time Test Ended: 06:56:20 Unit No: 80  
**Interval: 2439.00 ft (KB) To 2447.00 ft (KB) (TVD)** Reference Elevations: 1406.00 ft (KB)  
 Total Depth: 2447.00 ft (KB) (TVD) 1397.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 8846 Inside**  
 Press@RunDepth: psig @ 2440.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.07.26 End Date: 2021.07.26 Last Calib.: 1899.12.30  
 Start Time: 00:09:01 End Time: 06:56:30 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF - Weak blow building to strong blow 12 minutes into initial flow period. Continuing to build to 25 inches of water.  
 FF - Weak blow building to strong blow 15 minutes into final flow period. Continuing to build to 34 inches of water.



**PRESSURE SUMMARY**

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |

**Recovery**

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 600.00      | Tr OSMCW Tr O 91%W 9%M | 5.63         |
| 0.00        | OSHCW 1%O 59%W 40%M    | 0.00         |
|             |                        |              |
|             |                        |              |
|             |                        |              |
|             |                        |              |

**Gas Rates**

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vess Oil Corporation

**8/25S/5E Butler, KS**

1700 N. Waterfront Parkway  
Building 500  
Wichita, KS 67206-6619  
ATTN: Dylan Klaus/Roger Ma

**Wilson A #458**

Job Ticket: 67127

**DST#: 3**

Test Start: 2021.07.26 @ 00:09:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: in<sup>3</sup>

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

| Length<br>ft | Description            | Volume<br>bbl |
|--------------|------------------------|---------------|
| 600.00       | Tr OSMCW Tr O 91%W 9%M | 5.629         |
| 0.00         | OSHMCW 1%O 59%W 40%M   | 0.000         |

Total Length: 600.00 ft      Total Volume: 5.629 bbl

Num Fluid Samples: 0

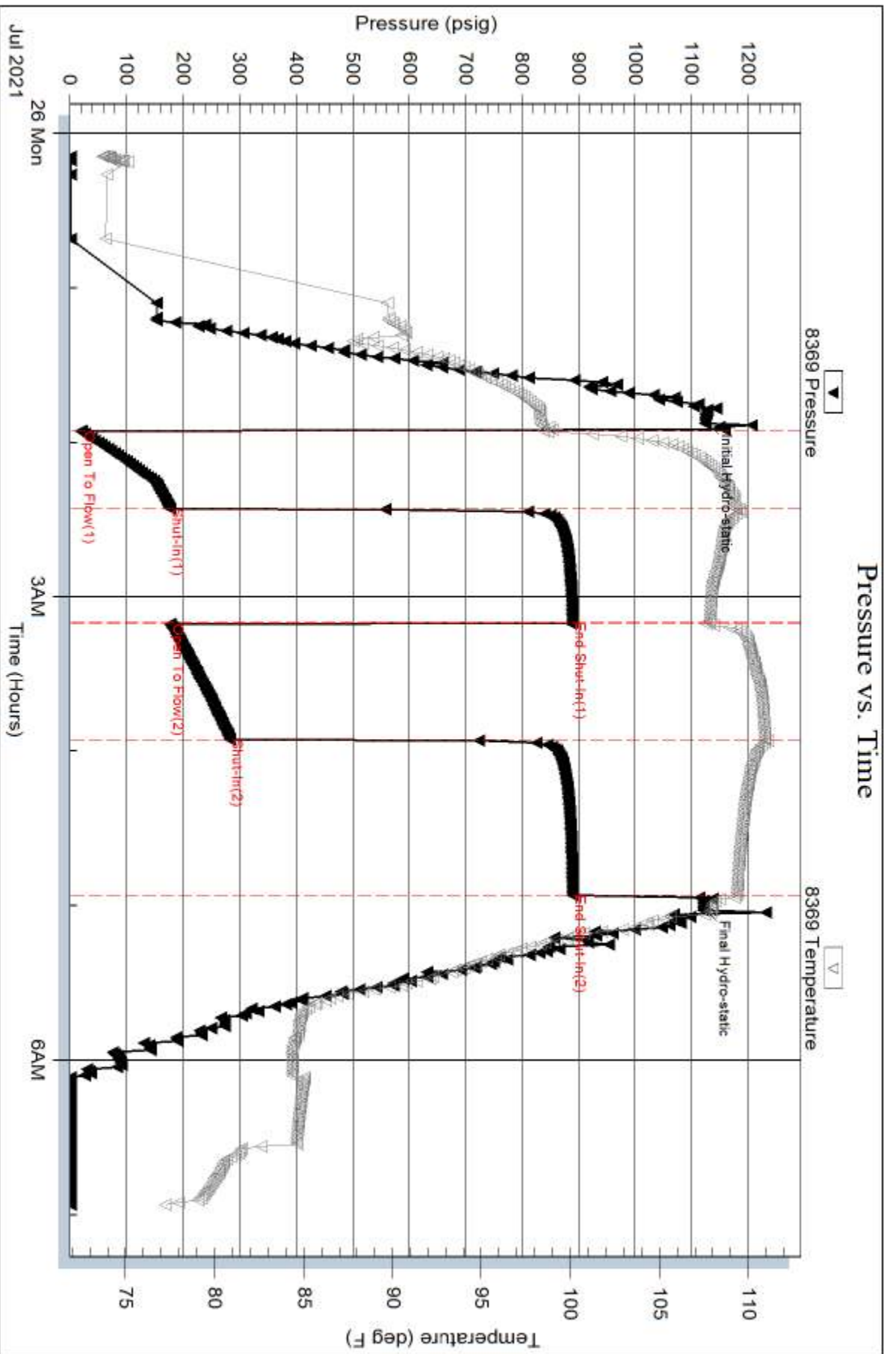
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





Serial #: 8846

Inside

Vess Oil Corporation

Wilson A #458

DST Test Number: 3

